



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **ABDUL RAZZAK MONDAL**Registration No. **201801048181** of **2018-19**Roll No. **180340900001**

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	9	6	54	2018	8.50	7.73	Q
		CC-2	Physical Chemistry-I	8	6	48	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2019	6.00	6.90	Q
		CC-4	Organic Chemistry-II	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2019	8.00	8.23	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2020	9.00	9.00	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2020			
		CC-10	Organic Chemistry - IV	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.25	9.25	Q
		CC-12	Organic Chemistry-V	10	6	60	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.50</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.41</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **ACHYUTA CHAKRABORTY**Registration No. **201801048184** of 2018-19Roll No. **180340900003**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	6	6	36	2018	6.00	6.18	Q
		CC-2	Archegoniatae	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	BOTANY	CC-3	Mycology and Phytopathology	4	6	24	2019	4.50	5.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	5	6	30	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2019	6.67	6.54	Q
		CC-6	Plant Systematics	6	6	36	2019			
		CC-7	Economic Botany	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2019			
	BOTANY	SEC-1	Agricultural Botany	7	2	14	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2020	8.00	8.00	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2020			
		CC-10	Molecular Biology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2020			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.00	9.00	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2021	8.25	8.25	Q
		CC-14	Plant Biotechnology	8	6	48	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.44</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.34</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **ADWAY MAITY**Registration No. **201801048185** of 2018-19Roll No. **180340900004**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.50	5.18	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2019	4.50	5.10	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2020	7.67	7.46	Q
		CC-6	Group Theory I	9	6	54	2020			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	6.67	6.69	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MATHEMATICS	SEC-2	Graph Theory	6	2	12	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.00	9.00	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.39</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.15</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: AJANTA MAMAN POREY

Registration No. 201801048186 of 2018-19

Roll No.180340900005

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	9	6	54	2018	8.50	7.82	Q
		CC-2	Ecology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	7.00	7.80	Q
		CC-4	Cell Biology	7	6	42	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	6.67	7.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
	CC-7	Fundamentals of Biochemistry	6	6	36	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2020	8.00	8.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2020	9.75	9.75	Q
		CC-12	Genetics	9	6	54	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	10	6	60	2020			
		DSE-2	Parasitology	10	6	60	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	9.50	9.50	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.44</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.39</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **AKSHAY RUIDAS**Registration No. **201801048188** of 2018-19Roll No. **180340900006**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	5.50	5.64	Q
		CC-2	Algebra	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2019	8.50	7.80	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.67	7.08	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	7.92	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.00	9.00	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2021	8.75	8.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.94</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.72</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: AMIT KR MALIK

Registration No. 201801048189 of 2018-19

Roll No.180340900007

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	5	6	30	2018	5.00	5.09	Q
		CC-2	Environmental Biology	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	4	6	24	2019	5.50	5.40	Q
		CC-4	Environmental Physics	7	6	42	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	4	6	24	2019			
		AECC-2	Bengali	9	2	18	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	6	6	36	2019	5.67	5.62	Q
		CC-6	Environmental Resources	4	6	24	2019			
		CC-7	Green Chemistry & Environmental Applications	7	6	42	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	4	2	8	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	7	6	42	2020	6.67	6.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	6	6	36	2020			
		CC-10	Natural Hazards & Management & Waste Management	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
		ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	7	2	14			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	8.50	8.50	Q
		CC-12	Environmental Engineering & Statistics	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	8	6	48	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	8	6	48	2021	8.00	8.00	Q
		CC-14	Wildlife Management & Conservation	9	6	54	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	6	6	36	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.89</b>	<b>Letter Grade in CGPA : B+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.61</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: AMRITA SAMANTA

Registration No. 201801048191 of 2018-19

Roll No.180340900009

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (GxV)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	6	6	36	2018	6.00	6.18	Q
		CC-2	Archegoniatae	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	BOTANY	CC-3	Mycology and Phytopathology	4	6	24	2019	4.00	5.40	Q
		CC-4	Morphology and Anatomy of Angiosperms	4	6	24	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2019	6.67	6.77	Q
		CC-6	Plant Systematics	6	6	36	2019			
		CC-7	Economic Botany	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	BOTANY	SEC-1	Agricultural Botany	7	2	14	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2020	8.00	8.31	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2020			
		CC-10	Molecular Biology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		BOTANY	SEC-2	Biofertilizers	9	2	18			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.50	9.50	Q
		CC-12	Plant Metabolism	10	6	60	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Natural Resource Management	10	6	60	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	9.25	9.25	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.72							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.65										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: ANIMESH MIDYA

Registration No. 201801048192 of 2018-19

Roll No.180340900010

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2018	6.00	5.45	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2019	4.50	5.20	Q
		CC-4	Discrete Structure	4	6	24	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2019	6.67	6.77	Q
		CC-6	Operating Systems	7	6	42	2019			
		CC-7	Computer Networks	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2020			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.54	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2020	8.00	8.00	Q
		CC-12	Theory of Computation	7	6	42	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2021	8.00	8.00	Q
		CC-14	Computer Graphics	8	6	48	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2021			
		DSE-4	Data Mining	7	6	42	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.33							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.08										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: ANISHA ROY

Registration No. 201801048194 of 2018-19

Roll No.180340900011

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	6	6	36	2018	6.50	6.00	Q
		CC-2	Environmental Biology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	6	6	36	2019	5.50	5.50	Q
		CC-4	Environmental Physics	5	6	30	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	7	6	42	2019	7.00	6.85	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	5	2	10	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	8.33	8.23	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	8	6	48	2020			
		CC-10	Natural Hazards & Management & Waste Management	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	8	2	16	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	8.75	8.75	Q
		CC-12	Environmental Engineering & Statistics	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	8.75	8.75	Q
		CC-14	Wildlife Management & Conservation	9	6	54	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.78</b>	<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.42</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: ANKIT GHOSH

Registration No. 201801048195 of 2018-19

Roll No.180340900012

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	9	6	54	2018	9.50	7.82	Q
		CC-2	Physical Chemistry-I	10	6	60	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2019	8.50	8.70	Q
		CC-4	Organic Chemistry-II	8	6	48	2019			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2019	8.67	8.77	Q
		CC-6	Inorganic Chemistry-II	10	6	60	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2020	9.00	9.00	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2020			
		CC-10	Organic Chemistry - IV	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.50	9.50	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2020			
		DSE-2	Analytical Methods in Chemistry	10	6	60	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	10	6	60	2021	9.50	9.50	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.17</b>							<b>Letter Grade in CGPA : O</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.90</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: ANKITA BARAT

Registration No. 201801048196 of 2018-19

Roll No.180340900013

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	7.00	6.45	Q
		CC-2	Algebra	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2019	8.50	8.50	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2019	9.00	8.77	Q
		CC-6	Group Theory I	9	6	54	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.33	9.23	Q
		CC-9	Multivariate Calculus	10	6	60	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.22							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.87										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: ANSHUMAN KONER

Registration No. 201801048198 of 2018-19

Roll No.180340900014

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2020	7.50	7.18	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	6.90	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2019	6.00	6.08	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2019			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.33	7.46	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.25	9.25	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.94							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.69										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: ANUPARNA DOLUI

Registration No. 201801048199 of 2018-19

Roll No.180340900015

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2019	7.50	6.45	Q
		CC-2	Algebra	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2019	4.50	5.70	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2019	5.67	6.08	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.23	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.25	9.25	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	8.75	8.75	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.44							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.28										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: ANUSREE CHAKRABORTY

Registration No. 201801048200 of 2018-19

Roll No.180340900016

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2018	7.00	6.73	Q
		CC-2	Ecology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2019	6.50	7.30	Q
		CC-4	Cell Biology	7	6	42	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	7.33	7.92	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019			
		CC-7	Fundamentals of Biochemistry	7	6	42	2019			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2020			
		CC-10	Immunology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2020	9.75	9.75	Q
		CC-12	Genetics	9	6	54	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	10	6	60	2020			
		DSE-2	Parasitology	10	6	60	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.75	9.75	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.46</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: APARNA GHOSH

Registration No. 201801048201 of 2018-19

Roll No.180340900017

### B.Sc. Honours in Environmental Science (CBCS)

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	6	6	36	2018	6.50	6.00	Q
		CC-2	Environmental Biology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	7	6	42	2019	7.00	7.30	Q
		CC-4	Environmental Physics	7	6	42	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	8	6	48	2019	7.67	7.54	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	8	2	16	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.50	9.50	Q
		CC-12	Environmental Engineering & Statistics	10	6	60	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	9.00	9.00	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.39</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.07</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: ARABINDA PANJA

Registration No. 201801048202 of 2018-19

Roll No.180340900018

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	6	6	36	2018	6.50	6.55	Q
		CC-2	Environmental Biology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	7	6	42	2019	7.00	7.20	Q
		CC-4	Environmental Physics	7	6	42	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	6	6	36	2019	6.33	6.46	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	6	6	36	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	6	2	12	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	8	6	48	2020	8.00	8.00	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	8	6	48	2020			
		CC-10	Natural Hazards & Management & Waste Management	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	8	2	16	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.50	9.50	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	8	6	48	2021	8.25	8.25	Q
		CC-14	Wildlife Management & Conservation	9	6	54	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	7	6	42	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Arindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>	<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.68</b>		



**THE UNIVERSITY OF BURDWAN**

**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS**

**GRADE CARD**

Name: **ARGHA DEEP MONDAL**

Registration No. **201801048203** of 2018-19

Roll No. **180340900019**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	5.00	5.64	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	5.00	6.10	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	6.67	6.85	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.00	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.70</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: ARGHA NAYAK

Registration No. 201801048204 of 2018-19

Roll No.180340900020

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2019	5.00	6.00	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	6.00	7.00	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2019	5.67	5.92	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	5	6	30	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.31	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.25	9.25	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.44							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.46										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: ARNAB CHATTERJEE

Registration No. 201801048206 of 2018-19

Roll No.180340900021

B.Sc. Honours in Zoology (CBCS)											
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code	
								CCs & DSEs	All Courses		
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2018	8.00	7.82	Q	
		CC-2	Ecology	8	6	48	2018				
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons		8	6	48				2018
			ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies		7				4
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2019	6.50	7.10	Q	
		CC-4	Cell Biology	7	6	42	2019				
	BOTANY	GE-2	Plant Ecology and Taxonomy		8	6	48				2019
	Communicative English/MIL	AECC-2	Bengali		8	2	16				2019
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.67	7.85	Q	
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019				
	CC-7	Fundamentals of Biochemistry	7	6	42	2019					
	BOTANY	GE-3	Plant Anatomy and Embryology		8	6	48				2019
	ZOOLOGY	SEC-1	Sericulture		9	2	18				2019
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	9.00	9.00	Q	
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2020				
		CC-10	Immunology	9	6	54	2020				
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry		9	6	54				2020
	ZOOLOGY	SEC-2	Aquarium Fish Keeping		9	2	18				2020
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2020	9.75	9.75	Q	
		CC-12	Genetics	9	6	54	2020				
	ZOOLOGY	DSE-1	Animal Biotechnology		10	6	60				2020
		DSE-2	Parasitology		10	6	60				2020
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	10.00	10.00	Q	
		CC-14	Evolutionary Biology	10	6	60	2021				
	ZOOLOGY	DSE-3	Animal Behaviour		10	6	60				2021
		DSE-4	Endocrinology		10	6	60				2021
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.78</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>			
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.63</b>											


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: ARNAB MATHUR

Registration No. 201801048207 of 2018-19

Roll No.180340900022

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	8	6	48	2018	7.50	6.73	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	8	6	48	2019	7.50	7.80	Q
		CC-4	Discrete Structure	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	7.67	7.92	Q
		CC-6	Operating Systems	9	6	54	2019			
		CC-7	Computer Networks	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	9	6	54	2020	8.75	8.75	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2021	8.75	8.75	Q
		CC-14	Computer Graphics	9	6	54	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.33</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.15</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **ARPITA PAL**Registration No. **201801048208** of 2018-19Roll No. **180340900023**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2019	4.50	5.36	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2019	5.50	5.90	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	6.00	5.85	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	5	6	30	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2019			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	7.67	7.77	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.25	9.25	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.56</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.32</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **ARPITA PANJA**Registration No. **201801048209** of 2018-19Roll No. **180340900024**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2020	7.50	7.27	Q
		CC-2	Algebra	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	5.50	6.30	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2019	5.33	5.69	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	5	6	30	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	7.33	7.46	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.68</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



**THE UNIVERSITY OF BURDWAN**

**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS**

**GRADE CARD**

Name: **ARUNA DUTTA**

Registration No. **201801048210** of 2018-19

Roll No. **180340900025**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	5.00	5.45	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	7.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.67	6.77	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.08	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.25	9.25	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.00</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.79</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: ATANU ADHIKARI

Registration No. 201801048212 of 2018-19

Roll No. 180340900026

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	7	6	42	2018	6.00	5.64	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	5	6	30	2019	5.00	5.10	Q
		CC-4	Organic Chemistry-II	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	5	6	30	2019	5.67	6.00	Q
		CC-6	Inorganic Chemistry-II	6	6	36	2019			
		CC-7	Organic Chemistry-III	6	6	36	2019			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	6	2	12	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	7	6	42	2020	7.00	7.00	Q
		CC-9	Inorganic Chemistry-III	7	6	42	2020			
		CC-10	Organic Chemistry - IV	7	6	42	2020			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	7	2	14	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	8.75	8.75	Q
		CC-12	Organic Chemistry-V	8	6	48	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.28</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.97</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: AVIJIT SIL

Registration No. 201801048213 of 2018-19

Roll No.180340900027

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	7	6	42	2018	6.00	6.00	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2019	7.00	6.60	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2019	7.33	8.00	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2019			
		CC-7	Organic Chemistry-III	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2020	8.67	8.54	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2020			
		CC-10	Organic Chemistry - IV	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.00	9.00	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.25	9.25	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.17</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.97</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **AYAN BHOWMICK**Registration No. **201801048215** of 2018-19Roll No. **180340900029**

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	8	6	48	2018	8.00	8.09	Q
		CC-2	Environmental Biology	8	6	48	2018			
	PLANT PROTECTION	GE-1	Pests and Vectors	9	6	54	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	9	6	54	2019	7.50	7.60	Q
		CC-4	Environmental Physics	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	9	6	54	2019	8.67	8.15	Q
		CC-6	Environmental Resources	9	6	54	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	7	2	14	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	9.00	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	PLANT PROTECTION	GE-4	Plant's Defence Mechanism	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.75	9.75	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	10	6	60	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	8	6	48	2021	8.50	8.50	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	7	6	42	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.55</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Grade Point Norms		Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0
	90% to 100%	10	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **AYAN KUMAR KHAN**Registration No. **201801048216** of **2018-19**Roll No. **180340900030**

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2018	8.50	8.64	Q
		CC-2	Ecology	9	6	54	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	7.00	7.80	Q
		CC-4	Cell Biology	7	6	42	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	7.00	7.38	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
		CC-7	Fundamentals of Biochemistry	7	6	42	2019			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Sericulture	9	2	18	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	8.67	8.77	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2020			
		CC-10	Immunology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2020	9.25	9.25	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	10	6	60	2020			
		DSE-2	Parasitology	10	6	60	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.75	9.75	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.61</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: AYANTIKA SAMANTA

Registration No. 201801048217 of 2018-19

Roll No.180340900031

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2018	6.50	6.45	Q
		CC-2	Archegoniatae	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	5	6	30	2019	5.00	6.50	Q
		CC-4	Morphology and Anatomy of Angiosperms	5	6	30	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2019	7.33	7.23	Q
		CC-6	Plant Systematics	7	6	42	2019			
		CC-7	Economic Botany	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	BOTANY	SEC-1	Agricultural Botany	7	2	14	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2020	8.33	8.54	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		BOTANY	SEC-2	Biofertilizers	9	2	18			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.00	9.00	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	8.75	8.75	Q
		CC-14	Plant Biotechnology	8	6	48	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.80</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **AYESHA SIDDIKA**Registration No. **201801048218** of **2018-19**Roll No. **180340900032**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2018	6.50	6.82	Q
		CC-2	Archegoniatae	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	5	6	30	2019	4.50	5.50	Q
		CC-4	Morphology and Anatomy of Angiosperms	4	6	24	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2019	7.00	7.00	Q
		CC-6	Plant Systematics	7	6	42	2019			
		CC-7	Economic Botany	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	BOTANY	SEC-1	Agricultural Botany	7	2	14	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2020	8.00	8.00	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2020			
		CC-10	Molecular Biology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
		BOTANY	SEC-2	Biofertilizers	8	2	16			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2020	8.25	8.25	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2020			
		DSE-2	Natural Resource Management	8	6	48	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2021	8.00	8.00	Q
		CC-14	Plant Biotechnology	8	6	48	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2021			
		DSE-4	Industrial and Environmental Microbiology	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.33</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.32</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

QR Code	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **BAIDURYAMANI MAHATO**Registration No. **201801048219** of 2018-19Roll No. **180340900033**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	7.00	7.27	Q
		CC-2	Algebra	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2019	7.50	7.90	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	6.33	6.54	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	5	6	30	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.23	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.00	9.00	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.89</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.85</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **BATAKRISHNA MALIK**Registration No. **201801048220** of 2018-19Roll No. **180340900034**

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	4	6	24	2018	4.50	4.64	Q
		CC-2	Ecology	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2020	5.50	6.00	Q
		CC-4	Cell Biology	4	6	24	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	4	6	24	2019	5.00	5.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
	CC-7	Fundamentals of Biochemistry	4	6	24	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	6	6	36	2019			
	ZOOLOGY	SEC-1	Sericulture	8	2	16	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2020	7.00	7.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2020			
		CC-10	Immunology	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	7	2	14	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	8.75	8.75	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	8.75	8.75	Q
		CC-14	Evolutionary Biology	8	6	48	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2021			
		DSE-4	Endocrinology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.00</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.80</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **BIBHAS MANDAL**Registration No. **201801048221** of 2018-19Roll No. **180340900035**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.50	5.55	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	5.00	6.10	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2019	5.67	6.00	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.00	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.25	9.25	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.28</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.23</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **BISWARUP GHOSAL**Registration No. **201801048223** of 2018-19Roll No. **180340900037**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2019	4.50	5.64	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	5.50	6.30	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2019	4.67	5.46	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.00	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.50	9.50	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.22</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.21</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **BITHIKA MAITI**Registration No. **201801048224** of **2018-19**Roll No. **180340900038**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2018	6.00	5.45	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2019	5.00	5.40	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	6.33	6.77	Q
		CC-6	Operating Systems	7	6	42	2019			
		CC-7	Computer Networks	5	6	30	2019			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2020	8.25	8.25	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2021	9.25	9.25	Q
		CC-14	Computer Graphics	8	6	48	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.67</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.41</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: DEBABRATA SANKI

Registration No. 201801048226 of 2018-19

Roll No.180340900040

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2018	7.00	7.00	Q
		CC-2	Mechanics	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2019	7.00	7.60	Q
		CC-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2019	7.00	7.54	Q
		CC-6	Thermal Physics	7	6	42	2019			
		CC-7	Digital Systems and Applications	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2019				
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2020	7.67	7.92	Q
		CC-9	Elements of Modern Physics	8	6	48	2020			
		CC-10	Analog Systems & Applications	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2020	7.75	7.75	Q
		CC-12	Solid State Physics	7	6	42	2020			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2020			
		DSE-2	Classical Dynamics	7	6	42	2020			
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2021	8.25	8.25	Q
		CC-14	Statistical Mechanics	8	6	48	2021			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2021			
		DSE-4	Astronomy and Astrophysics	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.56</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.69</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **DEBASIS DAS**Registration No. **201801048228** of **2018-19**Roll No. **180340900041**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	6	6	36	2018	6.00	5.64	Q
		CC-2	Archegoniatae	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	5	6	30	2019	5.00	5.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	5	6	30	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	6	6	36	2019	6.00	6.08	Q
		CC-6	Plant Systematics	6	6	36	2019			
		CC-7	Economic Botany	6	6	36	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2019			
	BOTANY	SEC-1	Agricultural Botany	7	2	14	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2020	8.00	8.08	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2020			
		CC-10	Molecular Biology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
		BOTANY	SEC-2	Biofertilizers	9	2	18			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2020	7.25	7.25	Q
		CC-12	Plant Metabolism	7	6	42	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2020			
		DSE-2	Natural Resource Management	7	6	42	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	7	6	42	2021	7.50	7.50	Q
		CC-14	Plant Biotechnology	8	6	48	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2021			
		DSE-4	Industrial and Environmental Microbiology	7	6	42	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.83</b>							Letter Grade in CGPA : <b>B+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.76</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **DEBIKA GHOSH**Registration No. **201801048230** of 2018-19Roll No. **180340900042**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	6	6	36	2018	6.50	6.55	Q
		CC-2	Archegoniatae	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2019	6.50	7.30	Q
		CC-4	Morphology and Anatomy of Angiosperms	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2019	7.33	7.46	Q
		CC-6	Plant Systematics	7	6	42	2019			
		CC-7	Economic Botany	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	BOTANY	SEC-1	Agricultural Botany	10	2	20	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2020	8.67	8.77	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		BOTANY	SEC-2	Biofertilizers	9	2	18			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.00	9.00	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	9.25	9.25	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	10	6	60	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.17</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.10</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **DEBIPRASAD ROY**Registration No. **201801048232** of 2018-19Roll No. **180340900044**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	8	6	48	2018	8.00	7.00	Q
		CC-2	Computer System Architecture	8	6	48	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2019	6.00	6.20	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	8.00	8.31	Q
		CC-6	Operating Systems	9	6	54	2019			
		CC-7	Computer Networks	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	9.08	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	10	6	60	2020	9.00	9.00	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2021	9.50	9.50	Q
		CC-14	Computer Graphics	9	6	54	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.50</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.27</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **DEBOPRIYA GHOSH**Registration No. **201801048233** of **2018-19**Roll No. **180340900045**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	4	6	24	2018	5.00	5.18	Q
		CC-2	Computer System Architecture	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	6	6	36	2019	5.50	6.00	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	7.33	7.46	Q
		CC-6	Operating Systems	8	6	48	2019			
		CC-7	Computer Networks	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	9.00	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2020	7.75	7.75	Q
		CC-12	Theory of Computation	6	6	36	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2021	8.75	8.75	Q
		CC-14	Computer Graphics	8	6	48	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.56</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.45</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **DEVRAJ BHANGI**Registration No. **201801048234** of 2018-19Roll No. **180340900046**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	5.50	5.91	Q
		CC-2	Algebra	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	7.00	7.40	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2019			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	5.67	6.15	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.00	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.25	9.25	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.56</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.45</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **DHIRAJ CHOWDHURY**Registration No. **201801048235** of 2018-19Roll No. **180340900047**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	6.00	6.45	Q
		CC-2	Algebra	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2019	8.00	7.90	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	6.33	6.69	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	5	6	30	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.00	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.25	9.25	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.06</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.93</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **DINESH CHANDRA MONDAL**Registration No. **201801048236** of **2018-19**Roll No. **180340900048**

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2018	6.50	6.73	Q
		CC-2	Ecology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	5	6	30	2019	5.00	6.00	Q
		CC-4	Cell Biology	5	6	30	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	6.67	7.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
	CC-7	Fundamentals of Biochemistry	6	6	36	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2020	8.33	8.31	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	8.50	8.50	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	9.00	9.00	Q
		CC-14	Evolutionary Biology	8	6	48	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.67</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.69</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **DIPANKAR CHOWDHURY**Registration No. **201801048237** of 2018-19Roll No. **180340900049**

#### B.Sc. Honours in Environmental Science (CBCS)

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	6.50	6.55	Q
		CC-2	Environmental Biology	6	6	36	2018			
	PLANT PROTECTION	GE-1	Pests and Vectors	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	8	6	48	2019	6.00	6.10	Q
		CC-4	Environmental Physics	4	6	24	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	9	6	54	2019	7.67	7.23	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	7	2	14	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.69	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	PLANT PROTECTION	GE-4	Plant's Defence Mechanism	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	8	2	16	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.00	9.00	Q
		CC-12	Environmental Engineering & Statistics	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	10	6	60	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	8	6	48	2021	8.25	8.25	Q
		CC-14	Wildlife Management & Conservation	9	6	54	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	7	6	42	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.00</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.70</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades			Result Codes	
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **DIPTESH DEY**Registration No. **201801048238** of 2018-19Roll No. **180340900050**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	9	6	54	2018	9.00	8.64	Q
		CC-2	Archegoniatae	9	6	54	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2019	8.00	8.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	10	6	60	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2019	9.00	9.08	Q
		CC-6	Plant Systematics	9	6	54	2019			
		CC-7	Economic Botany	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2019			
	BOTANY	SEC-1	Agricultural Botany	10	2	20	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2020	10.00	10.00	Q
		CC-9	Biomolecules and Cell Biology	10	6	60	2020			
		CC-10	Molecular Biology	10	6	60	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2020			
		BOTANY	SEC-2	Biofertilizers	10	2	20			
V	BOTANY	CC-11	Plant Physiology	10	6	60	2020	9.75	9.75	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2020			
		DSE-2	Natural Resource Management	10	6	60	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	10	6	60	2021	10.00	10.00	Q
		CC-14	Plant Biotechnology	10	6	60	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	10	6	60	2021			
		DSE-4	Industrial and Environmental Microbiology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.44</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.39</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Grade Point Norms		Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0
	Grade	Grade	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **ESIKA SANTRA**Registration No. **201801048239** of 2018-19Roll No. **180340900051**

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	8	6	48	2018	7.50	6.91	Q
		CC-2	Physical Chemistry-I	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2019	7.50	7.30	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2019	8.67	8.92	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2019			
		CC-7	Organic Chemistry-III	9	6	54	2019			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2020	9.00	9.00	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2020			
		CC-10	Organic Chemistry - IV	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.25	9.25	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	10	6	60	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.67</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.46</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**

**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS**

**GRADE CARD**

Name: **FALGUNI BERA**

Registration No. **201801048240** of 2018-19

Roll No. **180340900052**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	7.00	7.27	Q
		CC-2	Algebra	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2019	9.50	9.40	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2019			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	8.33	8.31	Q
		CC-6	Group Theory I	8	6	48	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	9.08	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.17</b>							<b>Letter Grade in CGPA : O</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.01</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **HIRANMOY BAR**Registration No. **201801048242** of **2018-19**Roll No. **180340900053**

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	9	6	54	2018	8.00	7.36	Q
		CC-2	Mechanics	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2019	7.50	7.80	Q
		CC-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2019	8.33	8.46	Q
		CC-6	Thermal Physics	8	6	48	2019			
		CC-7	Digital Systems and Applications	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2019			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2020	9.00	8.92	Q
		CC-9	Elements of Modern Physics	9	6	54	2020			
		CC-10	Analog Systems & Applications	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2020	8.50	8.50	Q
		CC-12	Solid State Physics	9	6	54	2020			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2020			
		DSE-2	Classical Dynamics	9	6	54	2020			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2021	9.25	9.25	Q
		CC-14	Statistical Mechanics	9	6	54	2021			
	PHYSICS	DSE-3	Nuclear and Particle Physics	10	6	60	2021			
		DSE-4	Astronomy and Astrophysics	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.42</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **INDRANIL PAN**Registration No. **201801048243** of 2018-19Roll No. **180340900054**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	7.00	7.36	Q
		CC-2	Algebra	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2019	8.50	8.50	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	6.33	6.92	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	7.92	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.50	9.50	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.28</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.23</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: ISHITYA RAY

Registration No. 201801048245 of 2018-19

Roll No.180340900056

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2018	7.50	7.82	Q
		CC-2	Mechanics	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2019	7.50	7.50	Q
		CC-4	Waves and Optics	8	6	48	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	6	6	36	2019	6.00	5.85	Q
		CC-6	Thermal Physics	6	6	36	2019			
		CC-7	Digital Systems and Applications	6	6	36	2019			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2019				
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2020	7.67	7.69	Q
		CC-9	Elements of Modern Physics	8	6	48	2020			
		CC-10	Analog Systems & Applications	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2020	7.50	7.50	Q
		CC-12	Solid State Physics	9	6	54	2020			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2020			
		DSE-2	Classical Dynamics	7	6	42	2020			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2021	8.50	8.50	Q
		CC-14	Statistical Mechanics	8	6	48	2021			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2021			
		DSE-4	Astronomy and Astrophysics	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.50							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.45										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **JIAUR RAHAMAN KHAN**Registration No. **201801048246** of **2018-19**Roll No. **180340900057**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2018	8.00	6.73	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	8	6	48	2019	7.50	7.20	Q
		CC-4	Discrete Structure	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	8	6	48	2019	8.67	8.62	Q
		CC-6	Operating Systems	10	6	60	2019			
		CC-7	Computer Networks	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	10	6	60	2020	10.00	9.54	Q
		CC-9	Software Engineering	10	6	60	2020			
		CC-10	Database Management System	10	6	60	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	9	6	54	2020	9.50	9.50	Q
		CC-12	Theory of Computation	9	6	54	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	10	6	60	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2021	10.00	10.00	Q
		CC-14	Computer Graphics	10	6	60	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2021			
		DSE-4	Data Mining	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.17</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.68</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **JIBANDEEP TEWARY**Registration No. **201801048247** of 2018-19Roll No. **180340900058**

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.00	6.73	Q
		CC-2	Environmental Biology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	8	6	48	2019	7.50	7.60	Q
		CC-4	Environmental Physics	7	6	42	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	9	6	54	2019	7.67	7.46	Q
		CC-6	Environmental Resources	6	6	36	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	7	2	14	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.25	9.25	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	8.75	8.75	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	7	6	42	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.39</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.13</b>		





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **KARTICK PAL**Registration No. **201801048250** of 2018-19Roll No. **180340900061**

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	7	6	42	2018	7.00	6.45	Q
		CC-2	Physical Chemistry-I	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2019	8.00	8.10	Q
		CC-4	Organic Chemistry-II	8	6	48	2019			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2019	8.67	8.69	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2020	9.00	9.00	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2020			
		CC-10	Organic Chemistry - IV	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.50	9.50	Q
		CC-12	Organic Chemistry-V	10	6	60	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	10	6	60	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	10	6	60	2021	9.25	9.25	Q
		CC-14	Physical Chemistry-IV	9	6	54	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.78</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.55</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **KEYA GUCHHAIT**Registration No. **201801048251** of 2018-19Roll No. **180340900062**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	6.50	7.00	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	8.00	8.40	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	9.00	9.00	Q
		CC-6	Group Theory I	10	6	60	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.33	9.23	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.00</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.90</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **KHOKAN MALIK**Registration No. **201801048252** of 2018-19Roll No. **180340900063**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.00	4.82	Q
		CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	7.00	7.30	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2019	5.67	6.00	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.00	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.00	9.00	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.50</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.38</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **KOUSHIK GHOSH**Registration No. **201801048253** of 2018-19Roll No. **180340900064**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	6.00	6.64	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	8.00	8.20	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	7.67	8.00	Q
		CC-6	Group Theory I	7	6	42	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	9.00	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.63</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: KUNDA SUBHRA GOSWAMI

Registration No. 201801048255 of 2018-19

Roll No.180340900066

#### B.Sc. Honours in Environmental Science (CBCS)

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	5	6	30	2018	4.50	5.36	Q
		CC-2	Environmental Biology	4	6	24	2018			
	PLANT PROTECTION	GE-1	Pests and Vectors	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	5	6	30	2019	6.00	6.10	Q
		CC-4	Environmental Physics	7	6	42	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	7	6	42	2019	5.67	5.85	Q
		CC-6	Environmental Resources	6	6	36	2019			
		CC-7	Green Chemistry & Environmental Applications	4	6	24	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	4	2	8	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	8	6	48	2020	7.33	7.23	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	7	6	42	2020			
		CC-10	Natural Hazards & Management & Waste Management	7	6	42	2020			
	PLANT PROTECTION	GE-4	Plant's Defence Mechanism	7	6	42	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	7	2	14	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.00	9.00	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	8.75	8.75	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	7	6	42	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.28							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.08										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Grade Point Norms		Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0
	Grade Point	Percentage	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: KUNTAL DUTTA

Registration No. 201801048256 of 2018-19

Roll No.180340900067

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2018	7.50	7.27	Q
		CC-2	Archegoniatae	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2019	6.50	7.60	Q
		CC-4	Morphology and Anatomy of Angiosperms	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2019	8.67	8.54	Q
		CC-6	Plant Systematics	9	6	54	2019			
		CC-7	Economic Botany	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	BOTANY	SEC-1	Agricultural Botany	9	2	18	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2020	10.00	9.77	Q
		CC-9	Biomolecules and Cell Biology	10	6	60	2020			
		CC-10	Molecular Biology	10	6	60	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		BOTANY	SEC-2	Biofertilizers	10	2	20			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.50	9.50	Q
		CC-12	Plant Metabolism	10	6	60	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	10	6	60	2021	10.00	10.00	Q
		CC-14	Plant Biotechnology	10	6	60	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	10	6	60	2021			
		DSE-4	Industrial and Environmental Microbiology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.00</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.85</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **KUSHAL PRAMANIK**Registration No. **201801048257** of **2018-19**Roll No. **180340900068**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	6	6	36	2018	6.50	5.73	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	6	6	36	2019	5.50	6.30	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	8	6	48	2019	7.33	7.92	Q
		CC-6	Operating Systems	7	6	42	2019			
		CC-7	Computer Networks	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2020	8.25	8.25	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2021	8.00	8.00	Q
		CC-14	Computer Graphics	9	6	54	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2021			
		DSE-4	Data Mining	6	6	36	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.67</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.58</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: LABANYA CHATTERJEE

Registration No. 201801048259 of 2018-19

Roll No.180340900070

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2018	7.50	7.09	Q
		CC-2	Archegoniatae	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	5	6	30	2019	6.00	7.30	Q
		CC-4	Morphology and Anatomy of Angiosperms	7	6	42	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2019	8.00	7.77	Q
		CC-6	Plant Systematics	8	6	48	2019			
		CC-7	Economic Botany	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.00	9.00	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		BOTANY	SEC-2	Biofertilizers	9	2	18			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.25	9.25	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	9.00	9.00	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.39</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.28</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **LIPIKA KARMAKAR**Registration No. **201801048260** of 2018-19Roll No. **180340900071**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	9	6	54	2018	8.50	7.82	Q
		CC-2	Archegoniatae	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2019	7.50	8.40	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	10	6	60	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2019	8.33	8.31	Q
		CC-6	Plant Systematics	9	6	54	2019			
		CC-7	Economic Botany	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	BOTANY	SEC-1	Agricultural Botany	9	2	18	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.00	9.08	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		BOTANY	SEC-2	Biofertilizers	10	2	20			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.00	9.00	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	9.25	9.25	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	10	6	60	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.66</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: LISA SANKI

Registration No. 201801048261 of 2018-19

Roll No.180340900072

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2018	6.00	5.55	Q
		CC-2	Computer System Architecture	7	6	42	2019			
	PHYSICS	GE-1	Mechanics	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2019	5.00	6.10	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	7.33	7.85	Q
		CC-6	Operating Systems	8	6	48	2019			
		CC-7	Computer Networks	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2020	8.75	8.75	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	9	6	54	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2021	8.75	8.75	Q
		CC-14	Computer Graphics	8	6	48	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.72</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **MADHABI PAL**Registration No. **201801048262** of **2018-19**Roll No. **180340900073**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2018	7.50	7.82	Q
		CC-2	Archegoniatae	8	6	48	2018			
	PLANT PROTECTION	GE-1	Pests and Vectors	9	6	54	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2019	7.00	8.20	Q
		CC-4	Morphology and Anatomy of Angiosperms	7	6	42	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	10	6	60	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2019	8.33	8.00	Q
		CC-6	Plant Systematics	9	6	54	2019			
		CC-7	Economic Botany	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.00	9.00	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	PLANT PROTECTION	GE-4	Plant's Defence Mechanism	9	6	54	2020			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2020			
V	BOTANY	CC-11	Plant Physiology	10	6	60	2020	9.75	9.75	Q
		CC-12	Plant Metabolism	10	6	60	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	10	6	60	2021	9.50	9.50	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.78</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.73</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: MAHADEB SENGUPTA

Registration No. 201801048264 of 2018-19

Roll No.180340900074

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2018	7.50	7.55	Q
		CC-2	Archegoniatae	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2019	7.50	8.40	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	10	6	60	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2019	9.00	8.77	Q
		CC-6	Plant Systematics	9	6	54	2019			
		CC-7	Economic Botany	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	BOTANY	SEC-1	Agricultural Botany	9	2	18	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.33	9.46	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	10	6	60	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2020			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2020			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	8.75	8.75	Q
		CC-12	Plant Metabolism	8	6	48	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	7	6	42	2021	8.00	8.00	Q
		CC-14	Plant Biotechnology	8	6	48	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.44</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.52</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**

**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS**

**GRADE CARD**

Name: **MIRAJ CHOWDHURY**

Registration No. **201801048268** of 2018-19

Roll No. **180340900078**

<b>B.Sc. Honours in Mathematics (CBCS)</b>										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	6.00	6.73	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	7.50	7.50	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	7.67	7.62	Q
		CC-6	Group Theory I	7	6	42	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	9.00	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.39</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **MOUPIYA PAL**Registration No. **201801048271** of 2018-19Roll No. **180340900081**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2019	7.00	7.27	Q
		CC-2	Algebra	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2019	9.50	8.80	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	9.00	8.62	Q
		CC-6	Group Theory I	10	6	60	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	9.23	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.50	9.50	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.06</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.85</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Grade Point Norms		Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0
	90% to 100%	10	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: NIBEDITA DEY

Registration No. 201801048273 of 2018-19

Roll No.180340900083

### B.Sc. Honours in Environmental Science (CBCS)

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.50	7.00	Q
		CC-2	Environmental Biology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	8	6	48	2019	7.50	7.90	Q
		CC-4	Environmental Physics	7	6	42	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	8	6	48	2019	8.00	7.92	Q
		CC-6	Environmental Resources	8	6	48	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	7	2	14	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.69	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	8	2	16	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.25	9.25	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	9.25	9.25	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	9	6	54	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.61</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.37</b>		





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: NISHA NAG

Registration No. 201801048274 of 2018-19

Roll No.180340900084

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	6	6	36	2018	6.50	6.73	Q
		CC-2	Archegoniatae	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	BOTANY	CC-3	Mycology and Phytopathology	6	6	36	2019	6.00	7.20	Q
		CC-4	Morphology and Anatomy of Angiosperms	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	6	6	36	2019	6.33	6.38	Q
		CC-6	Plant Systematics	6	6	36	2019			
		CC-7	Economic Botany	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	BOTANY	SEC-1	Agricultural Botany	5	2	10	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	7	6	42	2020	7.33	7.54	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2020			
		CC-10	Molecular Biology	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2020			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	8.75	8.75	Q
		CC-12	Plant Metabolism	8	6	48	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	8.50	8.50	Q
		CC-14	Plant Biotechnology	8	6	48	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.50							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.52										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **PABITRA PAL**Registration No. **201801048276** of 2018-19Roll No. **180340900085**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	6.00	6.00	Q
		CC-2	Algebra	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	6.00	6.30	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2019	4.67	6.00	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	5	6	30	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.31	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.56</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.51</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **PARAMITA KUNDU**Registration No. **201801048277** of 2018-19Roll No. **180340900086**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2018	8.00	7.36	Q
		CC-2	Algebra	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2019	9.00	9.10	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2019			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2019	9.00	9.00	Q
		CC-6	Group Theory I	8	6	48	2019			
		CC-7	Numerical Methods	9	6	54	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.33	9.23	Q
		CC-9	Multivariate Calculus	10	6	60	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.33</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.10</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

QR Code	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0
	90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **PARTHA CHATTERJEE**Registration No. **201801048278** of 2018-19Roll No. **180340900087**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	5.50	6.00	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	7.00	7.30	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.00	6.62	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.23	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.25	9.25	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.67</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.62</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: PARTHA SAKHA GAYEN

Registration No. 201801048279 of 2018-19

Roll No. 180340900088

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2018	5.50	5.36	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2019	5.50	6.40	Q
		CC-4	Organic Chemistry-II	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2019	6.67	7.08	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2020	8.00	8.00	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2020			
		CC-10	Organic Chemistry - IV	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.00	9.00	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.67							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.54										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **PATHIK KOLAY**Registration No. **201801048280** of 2018-19Roll No. **180340900089**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	6.50	6.91	Q
		CC-2	Algebra	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2019	9.50	9.10	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2019			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	9.00	9.00	Q
		CC-6	Group Theory I	9	6	54	2019			
		CC-7	Numerical Methods	9	6	54	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2020	10.00	9.77	Q
		CC-9	Multivariate Calculus	10	6	60	2020			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.39</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.17</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **PAYEL DUTTA**Registration No. **201801048281** of **2018-19**Roll No. **180340900090**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	8	6	48	2018	7.50	7.55	Q
		CC-2	Archegoniatae	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2019	8.00	8.80	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	10	6	60	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2019	9.00	8.77	Q
		CC-6	Plant Systematics	9	6	54	2019			
		CC-7	Economic Botany	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	BOTANY	SEC-1	Agricultural Botany	9	2	18	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2020	9.67	9.77	Q
		CC-9	Biomolecules and Cell Biology	10	6	60	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2020			
	BOTANY	SEC-2	Biofertilizers	10	2	20	2020			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.50	9.50	Q
		CC-12	Plant Metabolism	10	6	60	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	10	6	60	2021	9.75	9.75	Q
		CC-14	Plant Biotechnology	10	6	60	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.11</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.06</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: PAYEL KUNDU

Registration No. 201801048282 of 2018-19

Roll No.180340900091

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.00	7.00	Q
		CC-2	Environmental Biology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	5	6	30	2019	4.50	6.40	Q
		CC-4	Environmental Physics	4	6	24	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	7	6	42	2019	7.33	7.23	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	7	2	14	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.25	9.25	Q
		CC-12	Environmental Engineering & Statistics	10	6	60	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	9.25	9.25	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	9	6	54	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.11</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.04</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: PHALGUNI KOLEY

Registration No. 201801048283 of 2018-19

Roll No.180340900092

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	9	6	54	2018	8.50	8.09	Q
		CC-2	Environmental Biology	8	6	48	2018			
	PLANT PROTECTION	GE-1	Pests and Vectors	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	8	6	48	2019	8.00	8.20	Q
		CC-4	Environmental Physics	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	8	6	48	2019	8.67	8.23	Q
		CC-6	Environmental Resources	9	6	54	2019			
		CC-7	Green Chemistry & Environmental Applications	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	8	2	16	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	10	6	60	2020	10.00	9.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	10	6	60	2020			
		CC-10	Natural Hazards & Management & Waste Management	10	6	60	2020			
	PLANT PROTECTION	GE-4	Plant's Defence Mechanism	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Conservation & Ecotourism	10	2	20	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.75	9.75	Q
		CC-12	Environmental Engineering & Statistics	10	6	60	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	9.25	9.25	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.17</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.92</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **PIJUSH KUNDU**Registration No. **201801048284** of 2018-19Roll No. **180340900093**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2018	7.00	6.55	Q
		CC-2	Archegoniatae	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	6	6	36	2019	7.00	7.90	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2019	8.33	8.23	Q
		CC-6	Plant Systematics	8	6	48	2019			
		CC-7	Economic Botany	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.33	9.31	Q
		CC-9	Biomolecules and Cell Biology	10	6	60	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		BOTANY	SEC-2	Biofertilizers	10	2	20			
V	BOTANY	CC-11	Plant Physiology	10	6	60	2020	9.00	9.00	Q
		CC-12	Plant Metabolism	8	6	48	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	9.00	9.00	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.50</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.38</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **PIYALI MUKHERJEE**Registration No. **201801048285** of **2018-19**Roll No. **180340900094**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	6	6	36	2018	6.50	7.00	Q
		CC-2	Archegoniatae	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2019	7.50	8.20	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2019	9.00	8.54	Q
		CC-6	Plant Systematics	9	6	54	2019			
		CC-7	Economic Botany	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	BOTANY	SEC-1	Agricultural Botany	9	2	18	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.00	9.08	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		BOTANY	SEC-2	Biofertilizers	10	2	20			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.25	9.25	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	9.25	9.25	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	10	6	60	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.67</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.59</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: PRAKASH ROY

Registration No. 201801048286 of 2018-19

Roll No.180340900095

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	6	6	36	2018	6.00	6.18	Q
		CC-2	Environmental Biology	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	7	6	42	2019	6.00	7.00	Q
		CC-4	Environmental Physics	5	6	30	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2019			
		Communicative English/MIL	AECC-2	Bengali	10	2	20			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	7	6	42	2019	7.33	7.15	Q
		CC-6	Environmental Resources	8	6	48	2019			
		CC-7	Green Chemistry & Environmental Applications	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	6	2	12	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
		ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.00	9.00	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	8	6	48	2021	9.00	9.00	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	10	6	60	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.06</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.90</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **PRAMILA SAREN**Registration No. **201801048287** of 2018-19Roll No. **180340900096**

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	6	6	36	2018	6.50	6.82	Q
		CC-2	Environmental Biology	7	6	42	2018			
	PLANT PROTECTION	GE-1	Pests and Vectors	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	6	6	36	2019	5.00	5.80	Q
		CC-4	Environmental Physics	4	6	24	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	7	6	42	2019	6.67	6.46	Q
		CC-6	Environmental Resources	6	6	36	2019			
		CC-7	Green Chemistry & Environmental Applications	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	6	2	12	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	8.33	8.31	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	8	6	48	2020			
		CC-10	Natural Hazards & Management & Waste Management	8	6	48	2020			
	PLANT PROTECTION	GE-4	Plant's Defence Mechanism	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Conservation & Ecotourism	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	8.25	8.25	Q
		CC-12	Environmental Engineering & Statistics	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	7	6	42	2020			
		DSE-2	Environmental Health & Stress Physiology	8	6	48	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	7	6	42	2021	8.00	8.00	Q
		CC-14	Wildlife Management & Conservation	9	6	54	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	7	6	42	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.39</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.32</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: PRAVATI PAL

Registration No. 201801048288 of 2018-19

Roll No.180340900097

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	8	6	48	2018	8.50	8.36	Q
		CC-2	Environmental Biology	9	6	54	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	9	6	54	2019	8.50	8.70	Q
		CC-4	Environmental Physics	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	9	6	54	2019	8.67	8.46	Q
		CC-6	Environmental Resources	9	6	54	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	8	2	16	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.33	9.23	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	10	6	60	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.75	9.75	Q
		CC-12	Environmental Engineering & Statistics	10	6	60	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	9.25	9.25	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	10	6	60	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.11</b>	<b>Letter Grade in CGPA : O</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.97</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **PRITAM GHOSAL**Registration No. **201801048289** of 2018-19Roll No. **180340900098**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2018	7.50	7.27	Q
		CC-2	Algebra	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	7.50	7.50	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	7.00	7.31	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.00	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	8.25	8.25	Q
		CC-12	Mechanics I	7	6	42	2020			
	MATHEMATICS	DSE-1	Point Set Topology	8	6	48	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2021	8.75	8.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.94</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.86</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **PRITAM RAKSHIT**Registration No. **201801048290** of 2018-19Roll No. **180340900099**

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	10	6	60	2018	10.00	8.82	Q
		CC-2	Physical Chemistry-I	10	6	60	2018			
	PHYSICS	GE-1	Mechanics	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2019	9.00	9.00	Q
		CC-4	Organic Chemistry-II	9	6	54	2019			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	10	6	60	2019	9.67	9.77	Q
		CC-6	Inorganic Chemistry-II	10	6	60	2019			
		CC-7	Organic Chemistry-III	9	6	54	2019			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	10	2	20	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	10	6	60	2020	10.00	10.00	Q
		CC-9	Inorganic Chemistry-III	10	6	60	2020			
		CC-10	Organic Chemistry - IV	10	6	60	2020			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	10	6	60	2020	10.00	10.00	Q
		CC-12	Organic Chemistry-V	10	6	60	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2020			
		DSE-2	Analytical Methods in Chemistry	10	6	60	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	10	6	60	2021	10.00	10.00	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	10	6	60	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.83</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.63</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**

**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS**

**GRADE CARD**

Name: **PRITAM ROY**

Registration No. **201801048291** of 2018-19

Roll No. **180340900100**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	6.00	6.55	Q
		CC-2	Algebra	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2019	8.50	8.20	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	7.00	7.31	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.00	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.25	9.25	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.28</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.14</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **PRIYA MUKHERJEE**Registration No. **201801048292** of **2018-19**Roll No. **180340900101**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	8	6	48	2018	8.00	7.00	Q
		CC-2	Computer System Architecture	8	6	48	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	6	6	36	2019	5.50	6.30	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	6.67	7.00	Q
		CC-6	Operating Systems	7	6	42	2019			
		CC-7	Computer Networks	6	6	36	2019			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	9	6	54	2020	8.50	8.50	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2021	9.25	9.25	Q
		CC-14	Computer Graphics	8	6	48	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.06</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.86</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **PRIYANKA DAS**Registration No. **201801048293** of 2018-19Roll No. **180340900102**

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	6	6	36	2018	6.00	6.45	Q
		CC-2	Environmental Biology	6	6	36	2018			
	PLANT PROTECTION	GE-1	Pests and Vectors	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	5	6	30	2019	5.00	5.40	Q
		CC-4	Environmental Physics	5	6	30	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	6	6	36	2019	6.00	6.08	Q
		CC-6	Environmental Resources	6	6	36	2019			
		CC-7	Green Chemistry & Environmental Applications	6	6	36	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	4	2	8	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	8	6	48	2020	8.00	8.00	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	8	6	48	2020			
		CC-10	Natural Hazards & Management & Waste Management	8	6	48	2020			
	PLANT PROTECTION	GE-4	Plant's Defence Mechanism	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	8	2	16	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.50	9.50	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	9.00	9.00	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.67</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.46</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **PRIYANKARI HALDAR**Registration No. **201801048295** of 2018-19Roll No. **180340900104**

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.50	6.73	Q
		CC-2	Environmental Biology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	7	6	42	2019	6.00	7.00	Q
		CC-4	Environmental Physics	5	6	30	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	8	6	48	2019	8.00	7.62	Q
		CC-6	Environmental Resources	8	6	48	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	6	2	12	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.50	9.50	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	8	6	48	2021	9.25	9.25	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	9	6	54	2021			
		DSE-4	Solid Waste Management	10	6	60	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.50</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.20</b>		





**THE UNIVERSITY OF BURDWAN**

**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS**

**GRADE CARD**

Name: **PUJA DEY**

Registration No. **201801048296** of 2018-19

Roll No. **180340900105**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	6.00	6.00	Q
		CC-2	Algebra	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	6.50	7.00	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	6.33	6.69	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.00	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.50	9.50	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.00</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.82</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*  
Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: PUJA MONDAL

Registration No. 201801048298 of 2018-19

Roll No.180340900107

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	8	6	48	2018	8.00	7.55	Q
		CC-2	Computer System Architecture	8	6	48	2018			
	PHYSICS	GE-1	Mechanics	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2019	7.50	7.30	Q
		CC-4	Discrete Structure	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	8	6	48	2019	8.00	8.38	Q
		CC-6	Operating Systems	9	6	54	2019			
		CC-7	Computer Networks	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	9.08	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	10	6	60	2020	9.25	9.25	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	9	6	54	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2021	9.50	9.50	Q
		CC-14	Computer Graphics	9	6	54	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2021			
		DSE-4	Data Mining	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.56</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: PUJA PAIKAR

Registration No. 201801048299 of 2018-19

Roll No.180340900108

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2018	7.00	7.36	Q
		CC-2	Ecology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ZOOLOGY	CC-3	Non-chordates II	5	6	30	2019	5.50	6.30	Q
		CC-4	Cell Biology	6	6	36	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	7.00	7.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019			
		CC-7	Fundamentals of Biochemistry	6	6	36	2019			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	8.33	8.46	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2020	8.75	8.75	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	8.75	8.75	Q
		CC-14	Evolutionary Biology	8	6	48	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2021			
		DSE-4	Endocrinology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.83							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.90										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:	
	90% to 100%	10
80% and above but below 90%	9	
70% and above but below 80%	8	
60% and above but below 70%	7	
50% and above but below 60%	6	
40% and above but below 50%	5	
35% and above but below 40%	4	
Below 35%		Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: PUJA PAL

Registration No. 201801048300 of 2018-19

Roll No.180340900109

### B.Sc. Honours in Environmental Science (CBCS)

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.50	6.45	Q
		CC-2	Environmental Biology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	7	6	42	2019	7.00	7.20	Q
		CC-4	Environmental Physics	7	6	42	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	9	6	54	2019	9.00	8.46	Q
		CC-6	Environmental Resources	9	6	54	2019			
		CC-7	Green Chemistry & Environmental Applications	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	8	2	16	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	9.00	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.00	9.00	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	9.00	9.00	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.61</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.25</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **RAIMA SARKAR**Registration No. **201801048303** of 2018-19Roll No. **180340900111**

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.00	6.45	Q
		CC-2	Environmental Biology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	6	6	36	2019	5.50	6.60	Q
		CC-4	Environmental Physics	5	6	30	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2019			
		AECC-2	Bengali	9	2	18	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	7	6	42	2019	7.33	7.15	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	6	2	12	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.69	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
		ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	8	2	16			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.50	9.50	Q
		CC-12	Environmental Engineering & Statistics	10	6	60	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	9.00	9.00	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.22</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.96</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **RAJESH MALLIK**Registration No. **201801048305** of 2018-19Roll No. **180340900112**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.00	4.82	Q
		CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	5.00	6.00	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.67	6.92	Q
		CC-6	Group Theory I	7	6	42	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	7.92	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	8.75	8.75	Q
		CC-12	Mechanics I	8	6	48	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.39</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.31</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **RAJESH PAL**Registration No. **201801048306** of **2018-19**Roll No. **180340900113**

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2018	7.50	7.82	Q
		CC-2	Ecology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2019	8.00	7.80	Q
		CC-4	Cell Biology	8	6	48	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.00	7.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019			
	CC-7	Fundamentals of Biochemistry	5	6	30	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2020			
		CC-10	Immunology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2020	9.50	9.50	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	10	6	60	2020			
		DSE-2	Parasitology	10	6	60	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.75	9.75	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.67</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.54</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	= (SGPA or CGPA × 10) - 5.0		
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **RIFA AKTAR**Registration No. **201801048308** of 2018-19Roll No. **180340900114**

B.Sc. Honours in Geography (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	GEOGRAPHY	CC-1	Geotectonics and Geomorphology	7	6	42	2018	7.50	8.09	Q
		CC-2	Cartographic Techniques and Geological map study	8	6	48	2018			
	ENVIRONMENTAL SCIENCE	GE-1	Environment & Society	10	6	60	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	GEOGRAPHY	CC-3	Human Geography	8	6	48	2019	8.00	7.80	Q
		CC-4	Cartograms, Survey and Thematic Mapping	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	GEOGRAPHY	CC-5	Climatology	7	6	42	2019	7.33	7.46	Q
		CC-6	Statistical Methods in Geography	7	6	42	2019			
		CC-7	Geography of India	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	GEOGRAPHY	SEC-1	Computer Basics and Computer Applications	10	2	20	2019			
IV	GEOGRAPHY	CC-8	Regional Planning and Development	9	6	54	2020	9.00	9.00	Q
		CC-9	Economic Geography	9	6	54	2020			
		CC-10	Environmental Geography	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	GE-4	Green Technology	9	6	54	2020			
	GEOGRAPHY	SEC-2	Field Work	9	2	18	2020			
V	GEOGRAPHY	CC-11	Research Methodology and Field Work	9	6	54	2020	8.25	8.25	Q
		CC-12	Remote Sensing and GIS	8	6	48	2020			
	GEOGRAPHY	DSE-1	Cultural and Settlement Geography	8	6	48	2020			
		DSE-2	Population Geography	8	6	48	2020			
VI	GEOGRAPHY	CC-13	Evolution of Geographical Thought	9	6	54	2021	9.00	9.00	Q
		CC-14	Disaster Management	9	6	54	2021			
	GEOGRAPHY	DSE-3	Resource Geography	9	6	54	2021			
		DSE-4	Soil and Bio Geography	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.28</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.28</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **RIKTA KONAR**Registration No. **201801048309** of 2018-19Roll No. **180340900115**

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2018	6.00	5.73	Q
		CC-2	Ecology	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	7.00	7.30	Q
		CC-4	Cell Biology	7	6	42	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.33	7.62	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019			
	CC-7	Fundamentals of Biochemistry	6	6	36	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Sericulture	9	2	18	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2020	8.33	8.54	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2020			
		CC-10	Immunology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	8.50	8.50	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	8.75	8.75	Q
		CC-14	Evolutionary Biology	8	6	48	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2021			
		DSE-4	Endocrinology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.89</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.79</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: RIMA CHANGDAR

Registration No. 201801048310 of 2018-19

Roll No.180340900116

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	8.00	7.55	Q
		CC-2	Environmental Biology	9	6	54	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	9	6	54	2019	8.50	8.50	Q
		CC-4	Environmental Physics	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	9	6	54	2019	8.33	8.08	Q
		CC-6	Environmental Resources	8	6	48	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	9	2	18	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	9.08	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	10	2	20	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.50	9.50	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	9.00	9.00	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

QR Code	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0
	90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.83</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.63</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **RISHIKA ROY**Registration No. **201801048312** of 2018-19Roll No. **180340900118**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2018	7.50	7.82	Q
		CC-2	Archegoniatae	8	6	48	2018			
	PLANT PROTECTION	GE-1	Pests and Vectors	9	6	54	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2019	7.50	8.50	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	10	6	60	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2019	8.67	8.46	Q
		CC-6	Plant Systematics	9	6	54	2019			
		CC-7	Economic Botany	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.33	9.54	Q
		CC-9	Biomolecules and Cell Biology	10	6	60	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	PLANT PROTECTION	GE-4	Plant's Defence Mechanism	10	6	60	2020			
	BOTANY	SEC-2	Biofertilizers	10	2	20	2020			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.25	9.25	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	10	6	60	2021	9.50	9.50	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.83</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.87</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: RIYA KAR

Registration No. 201801048313 of 2018-19

Roll No.180340900119

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.00	6.73	Q
		CC-2	Environmental Biology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	6	6	36	2019	6.50	7.50	Q
		CC-4	Environmental Physics	7	6	42	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
		Communicative English/MIL	AECC-2	Bengali	9	2	18			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	8	6	48	2019	7.67	7.31	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	5	2	10	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
		ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	10	6	60	2020	9.75	9.75	Q
		CC-12	Environmental Engineering & Statistics	10	6	60	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	9	6	54	2021	9.50	9.50	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	9	6	54	2021			
		DSE-4	Solid Waste Management	10	6	60	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.30</b>		





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **RIYA NANDI**Registration No. **201801048314** of **2018-19**Roll No. **180340900120**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	6	6	36	2018	6.50	6.18	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2019	7.50	7.30	Q
		CC-4	Discrete Structure	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	8	6	48	2019	8.33	8.38	Q
		CC-6	Operating Systems	9	6	54	2019			
		CC-7	Computer Networks	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2020	8.75	8.75	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	9	6	54	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2021	9.25	9.25	Q
		CC-14	Computer Graphics	9	6	54	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2021			
		DSE-4	Data Mining	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.44</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.17</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **RIYA NEMO**Registration No. **201801048315** of 2018-19Roll No. **180340900121**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	5.50	6.18	Q
		CC-2	Algebra	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	6.50	6.90	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	6.67	6.92	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.00	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.11</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.96</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SAGARIKA SHARMA

Registration No. 201801048320 of 2018-19

Roll No.180340900124

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2018	7.50	6.73	Q
		CC-2	Ecology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2019	6.50	6.90	Q
		CC-4	Cell Biology	7	6	42	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	7.00	7.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019			
	CC-7	Fundamentals of Biochemistry	6	6	36	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	8.67	8.77	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2020			
		CC-10	Immunology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	8.50	8.50	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	9.00	9.00	Q
		CC-14	Evolutionary Biology	8	6	48	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.06</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.94</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SAIKAT BETAL

Registration No. 201801048322 of 2018-19

Roll No.180340900125

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	7.50	7.64	Q
		CC-2	Algebra	9	6	54	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	7.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	6.67	6.85	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.23	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.39</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.25</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SAIKAT MUKHOPADHAYAY

Registration No. 201801048323 of 2018-19

Roll No.180340900126

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2018	7.00	6.73	Q
		CC-2	Archegoniatae	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	BOTANY	CC-3	Mycology and Phytopathology	5	6	30	2019	5.50	6.40	Q
		CC-4	Morphology and Anatomy of Angiosperms	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2019	7.67	7.46	Q
		CC-6	Plant Systematics	8	6	48	2019			
		CC-7	Economic Botany	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	BOTANY	SEC-1	Agricultural Botany	7	2	14	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.00	8.77	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2020			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.00	9.00	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	9.00	9.00	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.17</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.96</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SAMAPTI PAL

Registration No. 201801048326 of 2018-19

Roll No.180340900127

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	7.00	7.00	Q
		CC-2	Algebra	9	6	54	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	6.50	6.90	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	7.67	7.85	Q
		CC-6	Group Theory I	7	6	42	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	9.00	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.72							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.52										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SAMPA DEY**Registration No. **201801048327** of **2018-19**Roll No. **180340900128**

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2018	7.00	7.27	Q
		CC-2	Ecology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2019	6.00	6.70	Q
		CC-4	Cell Biology	6	6	36	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	6.67	7.31	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
	CC-7	Fundamentals of Biochemistry	6	6	36	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2019			
	ZOOLOGY	SEC-1	Sericulture	8	2	16	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2020	8.00	8.31	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	9.00	9.00	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	10	6	60	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	9.00	9.00	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2021			
		DSE-4	Endocrinology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.89</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.97</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**

**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS  
GRADE CARD**

Name: SAMRAT DEY

Registration No. 201801048328 of 2018-19

Roll No.180340900129

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (GxV)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.50	7.27	Q
		CC-2	Environmental Biology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	8	6	48	2019	7.00	7.90	Q
		CC-4	Environmental Physics	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	9	6	54	2019	8.33	7.92	Q
		CC-6	Environmental Resources	8	6	48	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	7	2	14	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	9.00	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.25	9.25	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	7	6	42	2021	8.75	8.75	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	10	6	60	2021			

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.50</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.38</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: SAMRAT DUTTA

Registration No. 201801048329 of 2018-19

Roll No.180340900130

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	4	6	24	2018	5.00	5.36	Q
		CC-2	Computer System Architecture	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2019	5.00	5.50	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	7.00	6.92	Q
		CC-6	Operating Systems	8	6	48	2019			
		CC-7	Computer Networks	6	6	36	2019			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2020	8.00	8.00	Q
		CC-12	Theory of Computation	7	6	42	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2021	9.00	9.00	Q
		CC-14	Computer Graphics	9	6	54	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.56							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.35										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: SANDIP KUMAR GHOSH

Registration No. 201801048332 of 2018-19

Roll No. 180340900133

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	7	6	42	2018	6.00	5.82	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2019	7.00	6.20	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2019	6.67	6.54	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2020	8.00	8.00	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2020			
		CC-10	Organic Chemistry - IV	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.00	9.00	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.89</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.48</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: SANDIP SAMUI

Registration No. 201801048333 of 2018-19

Roll No.180340900134

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2018	5.50	5.18	Q
		CC-2	Computer System Architecture	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2019	5.00	5.00	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2019	6.67	7.38	Q
		CC-6	Operating Systems	8	6	48	2019			
		CC-7	Computer Networks	6	6	36	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2020			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2020	7.50	7.50	Q
		CC-12	Theory of Computation	7	6	42	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2020			
		DSE-2	System Programming	9	6	54	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2021	8.50	8.50	Q
		CC-14	Computer Graphics	8	6	48	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2021			
		DSE-4	Data Mining	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.33							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.17										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SANGEETA MAJI

Registration No. 201801048334 of 2018-19

Roll No.180340900135

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2018	7.00	7.00	Q
		CC-2	Ecology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	6.50	7.30	Q
		CC-4	Cell Biology	6	6	36	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.00	7.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019			
	CC-7	Fundamentals of Biochemistry	5	6	30	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2020	8.00	8.08	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	8.50	8.50	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.50	9.50	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.00							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.00										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SANGITA DINDA

Registration No. 201801048335 of 2018-19

Roll No.180340900136

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	6.00	6.18	Q
		CC-2	Algebra	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2020	6.50	7.00	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2019	6.67	6.85	Q
		CC-6	Group Theory I	9	6	54	2020			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.00	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.00							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.77										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SANJIB SAMUI

Registration No. 201801048336 of 2018-19

Roll No.180340900137

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2018	8.00	7.55	Q
		CC-2	Mechanics	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2019	6.50	6.70	Q
		CC-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	10	6	60	2019	7.67	7.85	Q
		CC-6	Thermal Physics	6	6	36	2019			
		CC-7	Digital Systems and Applications	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2019				
IV	PHYSICS	CC-8	Mathematical Physics-III	8	6	48	2020	8.67	8.77	Q
		CC-9	Elements of Modern Physics	9	6	54	2020			
		CC-10	Analog Systems & Applications	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2020	8.75	8.75	Q
		CC-12	Solid State Physics	8	6	48	2020			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2020			
		DSE-2	Classical Dynamics	9	6	54	2020			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2021	9.50	9.50	Q
		CC-14	Statistical Mechanics	10	6	60	2021			
	PHYSICS	DSE-3	Nuclear and Particle Physics	10	6	60	2021			
		DSE-4	Astronomy and Astrophysics	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.39</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.24</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SAYAK MAL

Registration No. 201801048338 of 2018-19

Roll No.180340900138

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.50	5.36	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2020	5.00	6.00	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2020	5.67	5.54	Q
		CC-6	Group Theory I	8	6	48	2020			
		CC-7	Numerical Methods	4	6	24	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2019			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2020	6.00	6.00	Q
		CC-9	Multivariate Calculus	6	6	36	2020			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2020			
	MATHEMATICS	SEC-2	Graph Theory	6	2	12	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	8.50	8.50	Q
		CC-12	Mechanics I	8	6	48	2020			
	MATHEMATICS	DSE-1	Point Set Topology	8	6	48	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.89</b>							<b>Letter Grade in CGPA : B+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.75</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: SAYAN MALLIK

Registration No. 201801048339 of 2018-19

Roll No.180340900139

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2018	8.00	6.73	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	8	6	48	2019	7.00	7.50	Q
		CC-4	Discrete Structure	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	8	6	48	2019	8.33	7.46	Q
		CC-6	Operating Systems	9	6	54	2019			
		CC-7	Computer Networks	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	10	6	60	2020	10.00	9.46	Q
		CC-9	Software Engineering	10	6	60	2020			
		CC-10	Database Management System	10	6	60	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2020	8.25	8.25	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2021	9.50	9.50	Q
		CC-14	Computer Graphics	9	6	54	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2021			
		DSE-4	Data Mining	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.67</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.20</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: SAYANDEEP GHOSHAL

Registration No. 201801048340 of 2018-19

Roll No. 180340900140

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	5	6	30	2018	5.00	5.09	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2019	6.00	5.60	Q
		CC-4	Organic Chemistry-II	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	5	6	30	2019	5.00	5.62	Q
		CC-6	Inorganic Chemistry-II	5	6	30	2019			
		CC-7	Organic Chemistry-III	5	6	30	2019			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	7	6	42	2020	7.33	7.23	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2020			
		CC-10	Organic Chemistry - IV	7	6	42	2020			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	7	2	14	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.00	9.00	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.28</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.97</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SAYANTAN GHOSH

Registration No. 201801048341 of 2018-19

Roll No.180340900141

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	6	6	36	2018	6.50	5.91	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2019	4.50	4.80	Q
		CC-4	Discrete Structure	4	6	24	2019			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	6.67	6.77	Q
		CC-6	Operating Systems	7	6	42	2019			
		CC-7	Computer Networks	6	6	36	2019			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.54	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2020	8.50	8.50	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2021	9.00	9.00	Q
		CC-14	Computer Graphics	9	6	54	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.72							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.35										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: SAYANTAN GHOSH

Registration No. 201801048342 of 2018-19

Roll No.180340900142

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	7	6	42	2018	7.00	6.18	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2019	7.50	6.80	Q
		CC-4	Discrete Structure	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	7.67	7.46	Q
		CC-6	Operating Systems	9	6	54	2019			
		CC-7	Computer Networks	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	9	6	54	2020	8.50	8.50	Q
		CC-12	Theory of Computation	8	6	48	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2021	8.75	8.75	Q
		CC-14	Computer Graphics	8	6	48	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.22</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.80</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SHIKHA LOHA**Registration No. **201801048345** of 2018-19Roll No. **180340900143**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2018	8.00	8.27	Q
		CC-2	Algebra	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	8.50	8.80	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2019			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2019	9.33	9.08	Q
		CC-6	Group Theory I	9	6	54	2019			
		CC-7	Numerical Methods	9	6	54	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2020	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2020			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2020			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.50</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.39</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SHILPA KONAR**Registration No. **201801048346** of 2018-19Roll No. **180340900144**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2018	8.50	7.82	Q
		CC-2	Algebra	9	6	54	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2019	9.50	8.80	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	7.33	7.62	Q
		CC-6	Group Theory I	7	6	42	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	9.00	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.17</b>							Letter Grade in CGPA : <b>O</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.87</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **SHILPA ROY**Registration No. **201801048347** of **2018-19**Roll No. **180340900145**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2018	5.50	5.45	Q
		CC-2	Computer System Architecture	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2019	5.00	5.90	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	7.33	7.00	Q
		CC-6	Operating Systems	8	6	48	2019			
		CC-7	Computer Networks	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.69	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	8	2	16	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2020	8.00	8.00	Q
		CC-12	Theory of Computation	7	6	42	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2021	9.50	9.50	Q
		CC-14	Computer Graphics	9	6	54	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.78</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.51</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SHIULI DAS**Registration No. **201801048349** of 2018-19Roll No. **180340900147**

B.Sc. Honours in Geography (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	GEOGRAPHY	CC-1	Geotectonics and Geomorphology	6	6	36	2018	6.00	7.27	Q
		CC-2	Cartographic Techniques and Geological map study	6	6	36	2018			
	ENVIRONMENTAL SCIENCE	GE-1	Environment & Society	10	6	60	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	GEOGRAPHY	CC-3	Human Geography	8	6	48	2019	7.50	7.90	Q
		CC-4	Cartograms, Survey and Thematic Mapping	7	6	42	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	GEOGRAPHY	CC-5	Climatology	6	6	36	2019	6.33	6.77	Q
		CC-6	Statistical Methods in Geography	6	6	36	2019			
		CC-7	Geography of India	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	GEOGRAPHY	SEC-1	Computer Basics and Computer Applications	10	2	20	2019			
IV	GEOGRAPHY	CC-8	Regional Planning and Development	8	6	48	2020	8.00	8.23	Q
		CC-9	Economic Geography	8	6	48	2020			
		CC-10	Environmental Geography	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	GE-4	Green Technology	9	6	54	2020			
	GEOGRAPHY	SEC-2	Field Work	8	2	16	2020			
V	GEOGRAPHY	CC-11	Research Methodology and Field Work	9	6	54	2020	8.50	8.50	Q
		CC-12	Remote Sensing and GIS	8	6	48	2020			
	GEOGRAPHY	DSE-1	Cultural and Settlement Geography	9	6	54	2020			
		DSE-2	Population Geography	8	6	48	2020			
VI	GEOGRAPHY	CC-13	Evolution of Geographical Thought	9	6	54	2021	9.00	9.00	Q
		CC-14	Disaster Management	9	6	54	2021			
	GEOGRAPHY	DSE-3	Resource Geography	9	6	54	2021			
		DSE-4	Soil and Bio Geography	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.78</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.94</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

QR Code	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0
	90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SHREYA GHOSH

Registration No. 201801048350 of 2018-19

Roll No.180340900148

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	8	6	48	2018	8.00	8.00	Q
		CC-2	Archegoniatae	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
		AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2019	7.50	8.40	Q
		CC-4	Morphology and Anatomy of Angiosperms	7	6	42	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	10	6	60	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2019	8.33	8.23	Q
		CC-6	Plant Systematics	8	6	48	2019			
		CC-7	Economic Botany	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.00	9.08	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		BOTANY	SEC-2	Biofertilizers	10	2	20			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.25	9.25	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	10	6	60	2021	9.75	9.75	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	10	6	60	2021			
		DSE-4	Industrial and Environmental Microbiology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.83</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.80</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SIKTA GUPTA

Registration No. 201801048351 of 2018-19

Roll No.180340900149

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2018	7.50	8.00	Q
		CC-2	Ecology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
		AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	7.00	7.50	Q
		CC-4	Cell Biology	7	6	42	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.33	7.69	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2019			
	CC-7	Fundamentals of Biochemistry	5	6	30	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2020			
		CC-10	Immunology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2020	9.75	9.75	Q
		CC-12	Genetics	9	6	54	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	10	6	60	2020			
		DSE-2	Parasitology	10	6	60	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	10.00	10.00	Q
		CC-14	Evolutionary Biology	10	6	60	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.69</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SK MD SAJID

Registration No. 201801048353 of 2018-19

Roll No.180340900150

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2018	8.00	7.27	Q
		CC-2	Mechanics	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2019	7.50	6.60	Q
		CC-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2019	8.00	7.92	Q
		CC-6	Thermal Physics	8	6	48	2019			
		CC-7	Digital Systems and Applications	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2019				
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2020	9.00	8.92	Q
		CC-9	Elements of Modern Physics	9	6	54	2020			
		CC-10	Analog Systems & Applications	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2020	8.25	8.25	Q
		CC-12	Solid State Physics	9	6	54	2020			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2020			
		DSE-2	Classical Dynamics	9	6	54	2020			
VI	PHYSICS	CC-13	Electromagnetic Theory	10	6	60	2021	9.00	9.00	Q
		CC-14	Statistical Mechanics	9	6	54	2021			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2021			
		DSE-4	Astronomy and Astrophysics	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.39</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.06</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SK NAVED HOSSAIN

Registration No. 201801048354 of 2018-19

Roll No.180340900151

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2020	6.50	6.45	Q
		CC-2	Algebra	4	6	24	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2019	6.00	6.30	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2019			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	7.00	7.00	Q
		CC-6	Group Theory I	9	6	54	2020			
		CC-7	Numerical Methods	5	6	30	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.00	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.25	9.25	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.78							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.54										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Grade Point Norms		Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0
	90% to 100%	10	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SK SAMSUL ISLAM

Registration No. 201801048355 of 2018-19

Roll No.180340900152

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2020	6.50	6.64	Q
		CC-2	Algebra	4	6	24	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	6.00	6.30	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	5.33	5.92	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	5	6	30	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.00	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.25	9.25	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.50							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.37										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SOMASHRI MANNA**Registration No. **201801048357** of **2018-19**Roll No. **180340900153**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	4.50	5.18	Q
		CC-2	Algebra	4	6	24	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	6.00	6.40	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2019	5.33	5.92	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.00	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.50</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.32</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SOMNATH MAJI

Registration No. 201801048358 of 2018-19

Roll No.180340900154

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2018	7.50	7.09	Q
		CC-2	Mechanics	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	6	6	36	2019	6.50	6.60	Q
		CC-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2019	6.00	6.31	Q
		CC-6	Thermal Physics	6	6	36	2019			
		CC-7	Digital Systems and Applications	5	6	30	2019			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2019				
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2020	7.00	7.54	Q
		CC-9	Elements of Modern Physics	7	6	42	2020			
		CC-10	Analog Systems & Applications	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2020	8.00	8.00	Q
		CC-12	Solid State Physics	9	6	54	2020			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2020			
		DSE-2	Classical Dynamics	9	6	54	2020			
VI	PHYSICS	CC-13	Electromagnetic Theory	10	6	60	2021	9.25	9.25	Q
		CC-14	Statistical Mechanics	9	6	54	2021			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2021			
		DSE-4	Astronomy and Astrophysics	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.56</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.48</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: SOUGATA DEY

Registration No. 201801048359 of 2018-19

Roll No.180340900155

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2018	7.50	6.82	Q
		CC-2	Ecology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2019	6.00	6.60	Q
		CC-4	Cell Biology	6	6	36	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.00	7.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
	CC-7	Fundamentals of Biochemistry	6	6	36	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2020	8.00	8.23	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2020	8.75	8.75	Q
		CC-12	Genetics	9	6	54	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	9.50	9.50	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.06							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.94										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SOUMEN PAL**Registration No. **201801048360** of **2018-19**Roll No. **180340900156**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	6	6	36	2018	6.50	5.91	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2019	6.00	5.70	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2019	7.33	7.23	Q
		CC-6	Operating Systems	8	6	48	2019			
		CC-7	Computer Networks	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	9	6	54	2020	8.50	8.50	Q
		CC-12	Theory of Computation	7	6	42	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2021	9.00	9.00	Q
		CC-14	Computer Graphics	8	6	48	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021			
		DSE-4	Data Mining	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.00</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.61</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SOUMYA CHATTERJEE**Registration No. **201801048361** of **2018-19**Roll No. **180340900157**

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2018	7.50	7.00	Q
		CC-2	Ecology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2019	6.50	6.90	Q
		CC-4	Cell Biology	7	6	42	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.33	7.38	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019			
	CC-7	Fundamentals of Biochemistry	6	6	36	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2019			
	ZOOLOGY	SEC-1	Sericulture	9	2	18	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2020			
		CC-10	Immunology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2020	9.50	9.50	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	10	6	60	2020			
		DSE-2	Parasitology	10	6	60	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.75	9.75	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.31</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SOUMYADIP ADHIKARI**Registration No. **201801048362** of **2018-19**Roll No. **180340900158**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	6.00	6.18	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	7.50	7.20	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	6.33	6.31	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2019			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.00	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.28</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.93</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SOUMYADIP RAY

Registration No. 201801048363 of 2018-19

Roll No.180340900159

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2018	5.50	6.18	Q
		CC-2	Mechanics	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	6	6	36	2019	6.00	6.10	Q
		CC-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2019	7.00	7.15	Q
		CC-6	Thermal Physics	7	6	42	2019			
		CC-7	Digital Systems and Applications	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2019				
IV	PHYSICS	CC-8	Mathematical Physics-III	8	6	48	2020	8.00	8.00	Q
		CC-9	Elements of Modern Physics	8	6	48	2020			
		CC-10	Analog Systems & Applications	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2020	8.75	8.75	Q
		CC-12	Solid State Physics	9	6	54	2020			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2020			
		DSE-2	Classical Dynamics	9	6	54	2020			
VI	PHYSICS	CC-13	Electromagnetic Theory	10	6	60	2021	9.75	9.75	Q
		CC-14	Statistical Mechanics	10	6	60	2021			
	PHYSICS	DSE-3	Nuclear and Particle Physics	10	6	60	2021			
		DSE-4	Astronomy and Astrophysics	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.89</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.72</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

QR Code	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **SOUNAK GHOSH**Registration No. **201801048364** of **2018-19**Roll No. **180340900160**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2018	6.00	5.91	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	8	6	48	2019	7.00	6.60	Q
		CC-4	Discrete Structure	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	8	6	48	2019	8.00	7.92	Q
		CC-6	Operating Systems	9	6	54	2019			
		CC-7	Computer Networks	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2019			
IV	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2019	9.00	8.85	Q
		CC-8	Design and Analysis of Algorithms	9	6	54	2020			
		CC-9	Software Engineering	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
V	COMPUTER SCIENCE	CC-10	Database Management System	9	6	54	2020	8.25	8.25	Q
		COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20			
	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2020			
		CC-12	Theory of Computation	8	6	48	2020			
VI	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2020	9.50	9.50	Q
		DSE-2	System Programming	10	6	60	2020			
	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2021			
		CC-14	Computer Graphics	9	6	54	2021			
COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2021	9.50	9.50	Q	
	DSE-4	Data Mining	10	6	60	2021				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.22</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.92</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **SOURAV CHATTERJEE**Registration No. **201801048365** of **2018-19**Roll No. **180340900161**

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	8	6	48	2018	7.50	7.00	Q
		CC-2	Physical Chemistry-I	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2019	8.00	7.20	Q
		CC-4	Organic Chemistry-II	8	6	48	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2019	8.67	8.69	Q
		CC-6	Inorganic Chemistry-II	10	6	60	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2020	9.00	9.00	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2020			
		CC-10	Organic Chemistry - IV	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.25	9.25	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	10	6	60	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	10	6	60	2021	9.50	9.50	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.83</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.51</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SOURAV ROY**Registration No. **201801048367** of **2018-19**Roll No. **180340900163**

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2018	8.50	7.55	Q
		CC-2	Ecology	9	6	54	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	6.50	6.90	Q
		CC-4	Cell Biology	6	6	36	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.33	7.69	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019			
		CC-7	Fundamentals of Biochemistry	6	6	36	2019			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2020			
		CC-10	Immunology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2020	9.75	9.75	Q
		CC-12	Genetics	9	6	54	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	10	6	60	2020			
		DSE-2	Parasitology	10	6	60	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.75	9.75	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.49</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SOUVIK PANJA**Registration No. **201801048368** of **2018-19**Roll No. **180340900164**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	6	6	36	2018	6.50	6.27	Q
		CC-2	Archegoniatae	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	6	6	36	2019	6.00	6.60	Q
		CC-4	Morphology and Anatomy of Angiosperms	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2019	7.33	7.38	Q
		CC-6	Plant Systematics	7	6	42	2019			
		CC-7	Economic Botany	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	BOTANY	SEC-1	Agricultural Botany	6	2	12	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2020	8.00	8.00	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2020			
		CC-10	Molecular Biology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2020			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.00	9.00	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2020			
		DSE-2	Natural Resource Management	8	6	48	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	9.00	9.00	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.94</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.76</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **SOUVIK CHATTERJEE**Registration No. **201801048369** of 2018-19Roll No. **180340900165**

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	6	6	36	2018	6.50	6.00	Q
		CC-2	Environmental Biology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	5	6	30	2019	5.50	6.20	Q
		CC-4	Environmental Physics	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	7	6	42	2019	7.00	6.62	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	5	2	10	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.25	9.25	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	10	6	60	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	7	6	42	2021	8.00	8.00	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	6	6	36	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>	<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.54</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: **SOUVIK NANDI**Registration No. **201801048371** of **2018-19**Roll No. **180340900167**

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2018	6.50	6.00	Q
		CC-2	Physical Chemistry-I	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2019	5.50	6.30	Q
		CC-4	Organic Chemistry-II	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2019	6.33	6.08	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	6	6	36	2019			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2020	8.00	7.77	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2020			
		CC-10	Organic Chemistry - IV	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.00	9.00	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.72</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.39</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SUBHADIP MANNA

Registration No. 201801048372 of 2018-19

Roll No.180340900168

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	4.50	5.18	Q
		CC-2	Algebra	4	6	24	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	7.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	8.00	8.15	Q
		CC-6	Group Theory I	8	6	48	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	9.31	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2020			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.50</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.35</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SUBHASREE SARKAR**Registration No. **201801048375** of **2018-19**Roll No. **180340900170**

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2018	7.00	7.00	Q
		CC-2	Ecology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2019	5.50	6.40	Q
		CC-4	Cell Biology	5	6	30	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	6.67	7.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019			
	CC-7	Fundamentals of Biochemistry	5	6	30	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Sericulture	10	2	20	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2020	8.00	8.31	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	8.75	8.75	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.75	9.75	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.94</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.96</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SUDIP KUMAR HAZRA**Registration No. **201801048376** of 2018-19Roll No. **180340900171**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.50	5.73	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	6.50	7.30	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	7.67	7.38	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	9.00	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.44</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.30</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



**THE UNIVERSITY OF BURDWAN**

**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS**

**GRADE CARD**

Name: SUMANA RAKSHIT

Registration No. 201801048377 of 2018-19

Roll No.180340900172

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (GxV)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.00	6.73	Q
		CC-2	Environmental Biology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	5	6	30	2019	5.50	6.20	Q
		CC-4	Environmental Physics	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	8	6	48	2019	7.67	7.23	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	7	2	14	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.00	9.00	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	8	6	48	2021	8.50	8.50	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	8	6	48	2021			

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.06</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.80</b>		





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SUMITA KARMAKAR**Registration No. **201801048378** of **2018-19**Roll No. **180340900173**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2019	4.50	5.64	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2019	5.00	5.10	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2019			
	PHYSICS	GE-2	Electricity and Magnetism	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	5.33	5.54	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	4	6	24	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.23	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.50	9.50	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2021	8.75	8.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.17</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.01</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SURAJIT KARMAKAR

Registration No. 201801048379 of 2018-19

Roll No.180340900174

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.50	6.73	Q
		CC-2	Environmental Biology	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	6	6	36	2019	6.00	6.60	Q
		CC-4	Environmental Physics	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	7	6	42	2019	7.33	7.00	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	7	2	14	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.69	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	8	2	16	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.00	9.00	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	8	6	48	2021	8.75	8.75	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	8	6	48	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.17</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.85</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: SURAJIT PAL

Registration No. 201801048380 of 2018-19

Roll No.180340900175

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2018	6.50	6.27	Q
		CC-2	Mechanics	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2019	7.00	7.80	Q
		CC-4	Waves and Optics	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	8	6	48	2019	7.33	7.08	Q
		CC-6	Thermal Physics	7	6	42	2019			
		CC-7	Digital Systems and Applications	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	5	2	10	2019				
IV	PHYSICS	CC-8	Mathematical Physics-III	8	6	48	2020	8.00	8.23	Q
		CC-9	Elements of Modern Physics	8	6	48	2020			
		CC-10	Analog Systems & Applications	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2020	7.50	7.50	Q
		CC-12	Solid State Physics	7	6	42	2020			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2020			
		DSE-2	Classical Dynamics	7	6	42	2020			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2021	8.75	8.75	Q
		CC-14	Statistical Mechanics	9	6	54	2021			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2021			
		DSE-4	Astronomy and Astrophysics	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.67							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.62										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: SURAJIT SADHUKHAN

Registration No. 201801048381 of 2018-19

Roll No. 180340900176

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2018	6.00	5.91	Q
		CC-2	Physical Chemistry-I	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2019	6.50	6.50	Q
		CC-4	Organic Chemistry-II	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2019	6.00	6.85	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	5	6	30	2019			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2020	7.67	7.77	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2020			
		CC-10	Organic Chemistry - IV	7	6	42	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.00	9.00	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.67							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.55										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SUSMITA PAL**Registration No. **201801048383** of 2018-19Roll No. **180340900178**

B.Sc. Honours in Botany (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2018	7.00	6.73	Q
		CC-2	Archegoniatae	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2019	7.50	8.10	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2019	8.33	8.31	Q
		CC-6	Plant Systematics	8	6	48	2019			
		CC-7	Economic Botany	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	BOTANY	SEC-1	Agricultural Botany	9	2	18	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.00	9.00	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
		BOTANY	SEC-2	Biofertilizers	9	2	18			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2020	9.25	9.25	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2020			
		DSE-2	Natural Resource Management	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	10	6	60	2021	9.50	9.50	Q
		CC-14	Plant Biotechnology	9	6	54	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	10	6	60	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.67</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.52</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **SWARUP KOTAL**Registration No. **201801048387** of 2018-19Roll No. **180340900181**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.00	5.18	Q
		CC-2	Algebra	4	6	24	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	6.50	6.30	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2019	6.67	6.15	Q
		CC-6	Group Theory I	8	6	48	2020			
		CC-7	Numerical Methods	4	6	24	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2019			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.00	7.00	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.00	9.00	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.56</b>							Letter Grade in CGPA : <b>A</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.23</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: TANIA PARVEEN

Registration No. 201801048388 of 2018-19

Roll No.180340900182

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	4	6	24	2018	4.50	5.09	Q
		CC-2	Ecology	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	4	6	24	2019	5.50	6.00	Q
		CC-4	Cell Biology	7	6	42	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	5	6	30	2019	5.33	5.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
	CC-7	Fundamentals of Biochemistry	4	6	24	2019				
	BOTANY	GE-3	Plant Anatomy and Embryology	6	6	36	2019			
	ZOOLOGY	SEC-1	Sericulture	5	2	10	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2020	7.00	7.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2020			
		CC-10	Immunology	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	7	2	14	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	8.50	8.50	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	8.50	8.50	Q
		CC-14	Evolutionary Biology	7	6	42	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2021			
		DSE-4	Endocrinology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.94</b>							Letter Grade in CGPA : <b>B+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.79</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		





# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: TANMOY DIGAR

Registration No. 201801048389 of 2018-19

Roll No.180340900183

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2020	9.00	7.36	Q
		CC-2	Algebra	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2019	4.50	4.80	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	PHYSICS	GE-2	Electricity and Magnetism	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2019	6.00	6.00	Q
		CC-6	Group Theory I	9	6	54	2020			
		CC-7	Numerical Methods	5	6	30	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2020	6.00	6.23	Q
		CC-9	Multivariate Calculus	6	6	36	2020			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MATHEMATICS	SEC-2	Graph Theory	6	2	12	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2020	9.00	9.00	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	9	6	54	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.61							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.18										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: TANMOY SANTRA

Registration No. 201801048390 of 2018-19

Roll No.180340900184

B.Sc. Honours in Environmental Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ENVIRONMENTAL SCIENCE	CC-1	Fundamentals of Environment	7	6	42	2018	7.00	6.27	Q
		CC-2	Environmental Biology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ENVIRONMENTAL SCIENCE	CC-3	Environmental Chemistry	5	6	30	2019	5.00	5.50	Q
		CC-4	Environmental Physics	5	6	30	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2019			
III	ENVIRONMENTAL SCIENCE	CC-5	Earth Science	8	6	48	2019	7.67	7.00	Q
		CC-6	Environmental Resources	7	6	42	2019			
		CC-7	Green Chemistry & Environmental Applications	8	6	48	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2019			
	ENVIRONMENTAL SCIENCE	SEC-1	Remote Sensing & Geographical Information System (GIS)	4	2	8	2019			
IV	ENVIRONMENTAL SCIENCE	CC-8	Ecotoxicology & Environmental Biotechnology	9	6	54	2020	9.00	8.77	Q
		CC-9	Environmental Laws, Policies & Environmental Impact Assessment	9	6	54	2020			
		CC-10	Natural Hazards & Management & Waste Management	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	ENVIRONMENTAL SCIENCE	SEC-2	Microbiological Techniques	9	2	18	2020			
V	ENVIRONMENTAL SCIENCE	CC-11	Environmental Pollution	9	6	54	2020	9.00	9.00	Q
		CC-12	Environmental Engineering & Statistics	9	6	54	2020			
	ENVIRONMENTAL SCIENCE	DSE-1	Environmental Pollution & Monitoring Techniques	9	6	54	2020			
		DSE-2	Environmental Health & Stress Physiology	9	6	54	2020			
VI	ENVIRONMENTAL SCIENCE	CC-13	Environmental Economics & Management	8	6	48	2021	9.00	9.00	Q
		CC-14	Wildlife Management & Conservation	10	6	60	2021			
	ENVIRONMENTAL SCIENCE	DSE-3	Atmosphere & Global Climate Change	9	6	54	2021			
		DSE-4	Solid Waste Management	9	6	54	2021			


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.11</b>	<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.68</b>		



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: TANUSRI MALIK

Registration No. 201801048391 of 2018-19

Roll No. 180340900185

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	7	6	42	2018	6.50	6.00	Q
		CC-2	Physical Chemistry-I	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2019	7.50	7.80	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2019	8.00	8.46	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2020	9.00	9.00	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2020			
		CC-10	Organic Chemistry - IV	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.50	9.50	Q
		CC-12	Organic Chemistry-V	10	6	60	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	10	6	60	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	10	6	60	2021	10.00	10.00	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	10	6	60	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.52</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**

**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS**

**GRADE CARD**

Name: **TITHI MANNA**

Registration No. **201801048392** of 2018-19

Roll No. **180340900186**

<b>B.Sc. Honours in Mathematics (CBCS)</b>										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	5.50	5.91	Q
		CC-2	Algebra	4	6	24	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2019	7.00	7.30	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2019	7.00	7.15	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	8.77	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Point Set Topology	10	6	60	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2021	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.39</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.15</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **TRISHA MONDAL**Registration No. **201801048393** of **2018-19**Roll No. **180340900187**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	5.50	6.73	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2019	8.50	8.20	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2019	8.67	8.85	Q
		CC-6	Group Theory I	9	6	54	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2019			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	9.23	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Point Set Topology	9	6	54	2020			
		DSE-2	Probability & Statistics	10	6	60	2020			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2021	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2021			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2021			
		DSE-4	Project Work	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.78</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.76</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage of Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

Percentage of Conversion Formula:  
= (SGPA or CGPA × 10) - 5.0

\*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS

### GRADE CARD

Name: **UJJWAL KAMILYA**Registration No. **201801048395** of **2018-19**Roll No. **180340900188**

B.Sc. Honours in Computer Science (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	7	6	42	2018	7.00	5.82	Q
		CC-2	Computer System Architecture	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2018			
II	COMPUTER SCIENCE	CC-3	Programming in Java	8	6	48	2019	7.50	6.60	Q
		CC-4	Discrete Structure	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	9	6	54	2019	8.67	8.08	Q
		CC-6	Operating Systems	9	6	54	2019			
		CC-7	Computer Networks	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2019			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2019			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2020	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2020			
		CC-10	Database Management System	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2020			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2020	8.50	8.50	Q
		CC-12	Theory of Computation	9	6	54	2020			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2020			
		DSE-2	System Programming	10	6	60	2020			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2021	9.50	9.50	Q
		CC-14	Computer Graphics	9	6	54	2021			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2021			
		DSE-4	Data Mining	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.96</b>										


Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

*Anindya Zoti Pal*

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



# THE UNIVERSITY OF BURDWAN

## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2021 UNDER CBCS GRADE CARD

Name: UPASANA GHOSH

Registration No. 201801048396 of 2018-19

Roll No. 180340900189

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	8	6	48	2018	8.00	7.55	Q
		CC-2	Physical Chemistry-I	8	6	48	2018			
	PHYSICS	GE-1	Mechanics	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2019	7.50	7.60	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2019	8.33	8.00	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	7	6	42	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2020	9.00	8.77	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2020			
		CC-10	Organic Chemistry - IV	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2020	9.50	9.50	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2020			
		DSE-2	Analytical Methods in Chemistry	10	6	60	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	10	6	60	2021	9.75	9.75	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Polymer Chemistry	10	6	60	2021			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.89</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.56</b>										

Date of Publication of Result: 26.08.2021

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zoti Pal

Controller of the Examinations

Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage of Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0  *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	