



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: **ACHYUTA CHAKRABORTY** Registration No. **201801048184** of **2018-19** Roll 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	2018			
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 : 7.44							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.34										

Date of Publication of Result: 26.08.2021


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

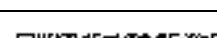
$$CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

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)	

	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: **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			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
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 : 8.44							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.39										

Date of Publication of Result: 26.08.2021

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

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: **AKSHAY RUIDAS**

Registration No. **201801048188** of **2018-19**Roll No. **180340900006**

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 : 7.94							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.72										


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				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: **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 (GxV)	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			
	ENVIRONMENTAL STUDIES	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			
	Communicative English/MIL	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	2020			
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 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				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 : 6.89	Letter Grade in CGPA : B+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.61		



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 (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	2018			
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	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	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

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

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: **ANIMESH MIDYA**

Registration No. **201801048192** of **2018-19**Roll No. **180340900010**

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										

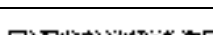
Date of Publication of Result: 26.08.2021

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

Arindya 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				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: 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			
		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


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

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

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 : 7.78	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.42		



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 : 9.17							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.90										

Date of Publication of Result: 26.08.2021

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

$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

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: **ANKITA BARAT**

Registration No. **201801048196** of **2018-19**Roll No. **180340900013**

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 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				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: **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

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

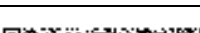
Anindya Zohi Pal

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.

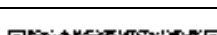
	Grade Point Norms				Percentage of Conversion Formula: $= (\text{SGPA or CGPA} \times 10) - 5.0$ *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40%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



	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)	



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)	

	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 : 8.39	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.07		

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 : 7.68		

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 : 7.83							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.70										

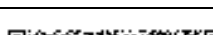
Date of Publication of Result: 26.08.2021

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

Amindya 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				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: **ARGHA NAYAK**

Registration No. **201801048204** of 2018-19Roll No. **180340900020**

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										

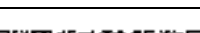
Date of Publication of Result: 26.08.2021

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

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				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: 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	28			
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 : 8.78							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.63										

Date of Publication of Result: 26.08.2021

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

$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

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)	

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 : 8.33							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.15										


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				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: **ARPITA PAL**

Registration No. **201801048208** of **2018-19**Roll No. **180340900023**

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 : 7.56							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.32										

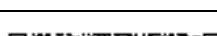
Date of Publication of Result: 26.08.2021

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

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				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: **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 : 7.83							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.68										

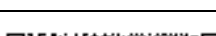
Date of Publication of Result: 26.08.2021

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

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				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: 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 : 8.00							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.79										

Date of Publication of Result: 26.08.2021

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

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

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: 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 : 8.17							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.97										

Date of Publication of Result: 26.08.2021

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

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: **AYAN BHOWMICK** Registration No. **201801048215** of **2018-19** Roll 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 : 8.72							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.55										


Date of Publication of Result: 26.08.2021

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

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: **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			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
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 : 8.56							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.61										

Date of Publication of Result: 26.08.2021

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

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

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: **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			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24			
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 : 7.33							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.32										

Date of Publication of Result: 26.08.2021

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

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

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: **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 : 7.89							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.85										

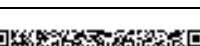
Date of Publication of Result: 26.08.2021

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

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				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: **BATAKRISHNA MALIK**

Registration No. **201801048220** of 2018-19Roll No. **180340900034**

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			
	ENVIRONMENTAL STUDIES	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 : 7.00							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.80										

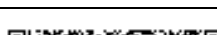
Date of Publication of Result: 26.08.2021

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

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				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: **BIBHAS MANDAL** Registration No. **201801048221** of **2018-19** Roll 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 : 7.28							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.23										

Date of Publication of Result: 26.08.2021


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

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

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: **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 : 7.22							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.21										


Date of Publication of Result: 26.08.2021

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

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				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: 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 : 7.67							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.41										

Date of Publication of Result: 26.08.2021

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

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				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: **DEBABRATA SANKI**

Registration No. **201801048226** of **2018-19**Roll No. **180340900040**

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	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			
	ENVIRONMENTAL STUDIES	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 : 7.56							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.69										

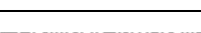
Date of Publication of Result: 26.08.2021

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

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				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: **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			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
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 : 6.83							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.76										

Date of Publication of Result: 26.08.2021

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

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: **DEBIKA GHOSH**

Registration No. **201801048230** of **2018-19**Roll No. **180340900042**

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	6.50	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			
	ENVIRONMENTAL STUDIES	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	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	9.25	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 : 8.17							
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.10										

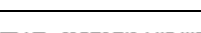
Date of Publication of Result: 26.08.2021

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

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)	



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: **DHIRAJ CHOWDHURY** Registration No. **201801048235** of **2018-19** Roll 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 : 8.06							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.93										

Date of Publication of Result: 26.08.2021

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

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: 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			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
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 : 7.67							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

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

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: **DIPANKAR CHOWDHURY**

Registration No. **201801048237** of **2018-19**Roll No. **180340900049**

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	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 : 8.00							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.70										


Date of Publication of Result: 26.08.2021

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

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				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: **DIPTESH DEY** Registration No. **201801048238** of **2018-19** Roll 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 : 9.44							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.39										

Date of Publication of Result: 26.08.2021


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

$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

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: ESIKA SANTRA

Registration No. 201801048239 of 2018-19

Roll 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 : 8.67							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.46										

Date of Publication of Result: 26.08.2021

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

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: 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 : 9.17							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.01										


Date of Publication of Result: 26.08.2021

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

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: **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			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24			
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 : 8.56							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.42										

Date of Publication of Result: 26.08.2021

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

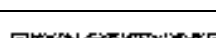
Anindya Zoti Pal

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)	



	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: **ISHITYA RAY**

Registration No. **201801048245** of 2018-19Roll No. **180340900056**

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	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			
	ENVIRONMENTAL STUDIES	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										

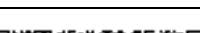
Date of Publication of Result: 26.08.2021

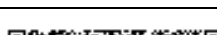
$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya 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				Percentage of Conversion Formula: $= (\text{SGPA or CGPA} \times 10) - 5.0$ *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)	

	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 : 8.39	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.13		

THE UNIVERSITY OF BURDWAN

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

Name: **KARTICK PAL**

Registration No. **201801048250** of **2018-19**

Roll 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 : 8.78							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.55										

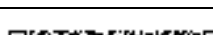
Date of Publication of Result: 26.08.2021

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

Anindya 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				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: **KEYA GUCHHAIT** Registration No. **201801048251** of **2018-19** Roll 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 : 9.00							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.90										

Date of Publication of Result: 26.08.2021

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

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

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: **KHOKAN MALIK**

Registration No. **201801048252** of **2018-19**Roll 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 : 7.50							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.38										


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				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: **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 : 8.72							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.63										

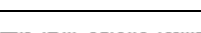
Date of Publication of Result: 26.08.2021

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

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				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: 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		CC-5	Earth Science	7	6	42	2019	5.67	5.85	Q
	ENVIRONMENTAL SCIENCE	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		CC-8	Ecotoxicology & Environmental Biotechnology	8	6	48	2020	7.33	7.23	Q
	ENVIRONMENTAL SCIENCE	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

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

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

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: **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			
	ENVIRONMENTAL STUDIES	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	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	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 : 9.00								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.85										

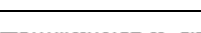
Date of Publication of Result: 26.08.2021


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

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				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)	

	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: **LIPIKA KARMAKAR** Registration No. **201801048260** of **2018-19** Roll 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	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	9.25	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 : 8.72							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.66										


Date of Publication of Result: 26.08.2021

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

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: **MADHABI PAL**

Registration No. **201801048262** of 2018-19Roll No. **180340900073**

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	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 : 8.78							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.73										

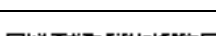
Date of Publication of Result: 26.08.2021

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

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				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: 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	2018			
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 : 8.44							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

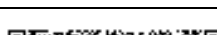
$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i}$$
$$CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

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)	

	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: **MOUPIYA PAL**

Registration No. **201801048271** of **2018-19**

Roll 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	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	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 : 9.06							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.85										

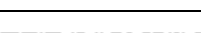
Date of Publication of Result: 26.08.2021

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

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				Percentage of Conversion Formula: $= (\text{SGPA or CGPA} \times 10) - 5.0$ *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: 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

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

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

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 : 8.61	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.37		



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	2018			
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

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

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

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: **PABITRA PAL**

Registration No. **201801048276** of **2018-19**Roll 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 : 7.56							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.51										


Date of Publication of Result: 26.08.2021

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

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				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: **PARAMITA KUNDU**

Registration No. **201801048277** of **2018-19**

Roll No. **180340900086**

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 : 9.33							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.10										


Date of Publication of Result: 26.08.2021

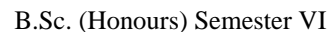
$$\text{SGPA (S)} = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad \text{CGPA} = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Amindya 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				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)	



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: **PATHIK KOLAY**

Registration No. **201801048280** of **2018-19**

Roll No. **180340900089**

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 : 9.39							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.17										


Date of Publication of Result: 26.08.2021

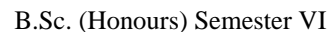
$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya 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				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)	



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: 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


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

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

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 : 8.11	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.04		



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: **PIJUSH KUNDU**

Registration No. **201801048284** of **2018-19**

Roll 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			
	ENVIRONMENTAL STUDIES	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	2020			
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 : 8.50							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.38										

Date of Publication of Result: 26.08.2021

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

$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

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: **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	2018			
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	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	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 : 8.67							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.59										


Date of Publication of Result: 26.08.2021

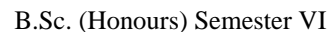
$$\text{SGPA (S)} = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad \text{CGPA} = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

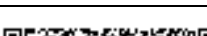
Amindya Zohi Pal

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				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)	



	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 : 8.06	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.90		

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

THE UNIVERSITY OF BURDWAN

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

Name: **PRITAM GHOSAL**

Registration No. **201801048289** of **2018-19**

Roll 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 : 7.94							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.86										


Date of Publication of Result: 26.08.2021

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

Amindya 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				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: **PRITAM RAKSHIT**

Registration No. **201801048290** of **2018-19**

Roll 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 : 9.83							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.63										

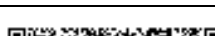
Date of Publication of Result: 26.08.2021

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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)			

	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: **PRITAM ROY**

Registration No. **201801048291** of **2018-19**Roll No. **180340900100**

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 : 8.28							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.14										

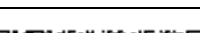
Date of Publication of Result: 26.08.2021

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

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				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 : 8.06							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.86										

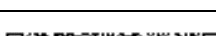
Date of Publication of Result: 26.08.2021

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

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				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: PRIYANKA DAS

Registration No. 201801048293 of 2018-19

Roll 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		CC-5	Earth Science	6	6	36	2019	6.00	6.08	Q
	ENVIRONMENTAL SCIENCE	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		CC-8	Ecotoxicology & Environmental Biotechnology	8	6	48	2020	8.00	8.00	Q
	ENVIRONMENTAL SCIENCE	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 : 7.67							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


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

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

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: PRIYANKARI HALDAR

Registration No. 201801048295 of 2018-19

Roll 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

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

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

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 : 8.50	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.20		



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 : 8.00							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.82										

Date of Publication of Result: 26.08.2021

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

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: 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 : 8.72							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.56										

Date of Publication of Result: 26.08.2021

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

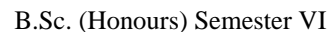
$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

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				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)	



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: 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


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

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

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 : 8.61	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.25		



THE UNIVERSITY OF BURDWAN

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

Name: **RAIMA SARKAR** Registration No. **201801048303** of **2018-19** Roll 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			
	Communicative English/MIL	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	2020			
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

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

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

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 : 8.22	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.96		



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: 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 : 8.67							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.54										

Date of Publication of Result: 26.08.2021


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

$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

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: RIFA AKTAR

Registration No. 201801048308 of 2018-19

Roll 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 : 8.28							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.28										

Date of Publication of Result: 26.08.2021


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

$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

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: **RIKTA KONAR** Registration No. **201801048309** of **2018-19** Roll 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			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24			
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 : 7.89							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.79										

Date of Publication of Result: 26.08.2021

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

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: 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 (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	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			
		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


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

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

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 : 8.83	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.63		

THE UNIVERSITY OF BURDWAN

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

Name: **RISHIKA ROY**

Registration No. **201801048312** of **2018-19**Roll No. **180340900118**

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	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 : 8.83							Letter Grade in CGPA : A+	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 Zyoti 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: $= (\text{SGPA or CGPA} \times 10) - 5.0$ *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			
		AECC-2	Bengali	9	2	18	2019			
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	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	9.50	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

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

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

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 : 8.56	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.30		



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 : 8.44							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.17										

Date of Publication of Result: 26.08.2021

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

$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

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				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: RIYA NEMO

Registration No. 201801048315 of 2018-19

Roll 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 : 8.11							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.96										

Date of Publication of Result: 26.08.2021

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

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

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: 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			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
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 : 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

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

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: **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 : 8.39							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.25										

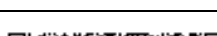
Date of Publication of Result: 26.08.2021

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

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				Percentage of Conversion Formula: $= (\text{SGPA or CGPA} \times 10) - 5.0$ *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	2018			
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 : 8.17							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.96										

Date of Publication of Result: 26.08.2021

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

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

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: **SAMPTI PAL**

Registration No. **201801048326** of **2018-19**Roll No. **180340900127**

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										

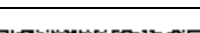
Date of Publication of Result: 26.08.2021

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

Anindya 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				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: 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			
	ENVIRONMENTAL STUDIES	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 : 7.89							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.97										


Date of Publication of Result: 26.08.2021

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

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: 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 (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	7.27	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			
		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

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

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

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 : 8.50	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.38		

THE UNIVERSITY OF BURDWAN

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

Name: **SAMRAT DUTTA**

Registration No. **201801048329** of 2018-19Roll 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										

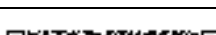
Date of Publication of Result: 26.08.2021

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

Anindya 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				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: **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 : 7.89							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.48										


Date of Publication of Result: 26.08.2021

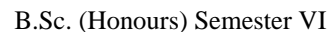
$$\text{SGPA (S)} = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad \text{CGPA} = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Amindya 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				Percentage of Conversion Formula: $= (\text{SGPA or CGPA} \times 10) - 5.0$ *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)	



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: 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

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

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: **SANJIB SAMUI**

Registration No. **201801048336** of **2018-19**Roll No. **180340900137**

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	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			
	ENVIRONMENTAL STUDIES	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 : 8.39							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.24										

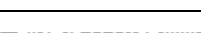
Date of Publication of Result: 26.08.2021

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

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				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: 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 : 6.89							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.75										


Date of Publication of Result: 26.08.2021

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

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: **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 : 7.28							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.97										


Date of Publication of Result: 26.08.2021

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

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				Percentage of Conversion Formula: $= (\text{SGPA or CGPA} \times 10) - 5.0$ *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: **SHIKHA LOHA**

Registration No. **201801048345** of 2018-19Roll No. **180340900143**

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 : 9.50							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.39										


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				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: **SHILPA KONAR**

Registration No. 201801048346 of 2018-19

Roll No.180340900144

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 : 9.17							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.87										

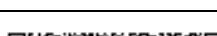
Date of Publication of Result: 26.08.2021

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

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				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: 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 : 7.78							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.51										

Date of Publication of Result: 26.08.2021

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

$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

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				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: SHIULI DAS

Registration No. 201801048349 of 2018-19

Roll 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 : 7.78							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

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

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: **SHREYA GHOSH**

Registration No. **201801048350** of 2018-19Roll No. **180340900148**

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	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			
	ENVIRONMENTAL STUDIES	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	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	9.75	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 : 8.83							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.80										


Date of Publication of Result: 26.08.2021


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

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				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)	

	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: 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			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28			
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			
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 : 8.39							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.06										

Date of Publication of Result: 26.08.2021

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

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: **SK NAVED HOSSAIN**

Registration No. **201801048354** of **2018-19**Roll No. **180340900151**

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										

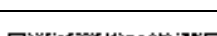
Date of Publication of Result: 26.08.2021

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

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				Percentage of Conversion Formula: $= (\text{SGPA or CGPA} \times 10) - 5.0$ *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 SAMSUL ISLAM**

Registration No. **201801048355** of **2018-19**

Roll No.180340900152

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

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

Arindya 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				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: **SOMASHRI MANNA**

Registration No. **201801048357** of **2018-19**Roll No. **180340900153**

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 : 7.50							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.32										

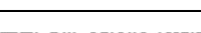
Date of Publication of Result: 26.08.2021

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

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				Percentage of Conversion Formula: $= (\text{SGPA or CGPA} \times 10) - 5.0$ *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 (GxV)	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			
	ENVIRONMENTAL STUDIES	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 : 7.56							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.48										


Date of Publication of Result: 26.08.2021

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

Anindya Zyoti 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: **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			
	ENVIRONMENTAL STUDIES	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										

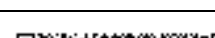
Date of Publication of Result: 26.08.2021

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

Arindya 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				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: 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 : 8.00							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.61										

Date of Publication of Result: 26.08.2021


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

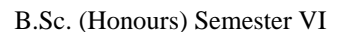
$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

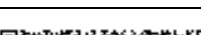
Controller of the Examinations

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				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)	



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)	

	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: **SOUMYADIP RAY**

Registration No. **201801048363** of 2018-19Roll No. **180340900159**

B.Sc. Honours in Physics (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	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			
	ENVIRONMENTAL STUDIES	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 : 7.89							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.72										


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 Zyoti 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)	



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: **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			
	ENVIRONMENTAL STUDIES	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 : 8.72							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.49										

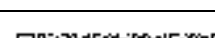
Date of Publication of Result: 26.08.2021

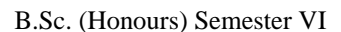
$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

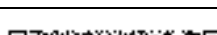
Arindya Zohi Pal

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				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)	



	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 : 7.83	Letter Grade in CGPA : A	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.54		

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 : 7.72							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.39										


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 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				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: 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 : 8.50							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.35										

Date of Publication of Result: 26.08.2021

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

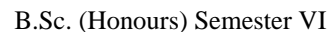
$$CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

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)	



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: **SUDIP KUMAR HAZRA**

Registration No. **201801048376** of **2018-19**

Roll No.180340900171

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
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
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 : 8.44							Letter Grade in CGPA : A+	Result : Q				
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.30												

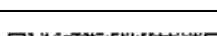
Date of Publication of Result: 26.08.2021

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

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				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: 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 (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	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

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

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

Anindya Zoti Pal

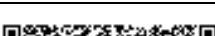
Controller of the Examinations

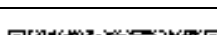
Course Types	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	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 : 8.06	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.80		



	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)	

	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 : 8.17	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.85		

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 (GxV)	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			
	ENVIRONMENTAL STUDIES	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										

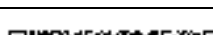
Date of Publication of Result: 26.08.2021

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

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				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: **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										

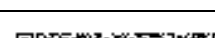
Date of Publication of Result: 26.08.2021

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

Arindya 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				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: **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 (GxV)	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	2018			
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	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	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 : 8.67							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

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

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				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: **SWARUP KOTAL** Registration No. **201801048387** of **2018-19** Roll 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 : 7.56							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.23										

Date of Publication of Result: 26.08.2021

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

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

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: **TANIA PARVEEN**

Registration No. **201801048388** of **2018-19**Roll No. **180340900182**

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			
	ENVIRONMENTAL STUDIES	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 : 6.94							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.79										

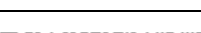
Date of Publication of Result: 26.08.2021

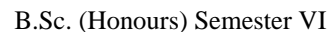
$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

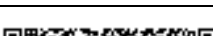
Anindya Zohi Pal

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				Percentage of Conversion Formula: $= (\text{SGPA or CGPA} \times 10) - 5.0$ *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)	

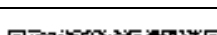


	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but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

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	6.27	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			
	ENVIRONMENTAL STUDIES	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			

Anindya Zohi Pal

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 : 8.11	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.68		

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 : 8.72							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.52										

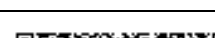
Date of Publication of Result: 26.08.2021

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

Arindya 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				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: **TITHI MANNA**

Registration No. **201801048392** of **2018-19**Roll No. **180340900186**

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	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 : 8.39							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.15										

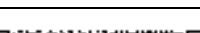
Date of Publication of Result: 26.08.2021

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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				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: 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 : 8.78							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.76										


Date of Publication of Result: 26.08.2021

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

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: **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 : 8.56							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.96										

Date of Publication of Result: 26.08.2021


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

$$CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

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				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: 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 : 8.89							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.56										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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	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)	