



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: MD SHEIKH SADI SK

Registration No. 201701033489 of 2017-18

Roll No.170331000067

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	2017	6.50	6.73	Q
		CC-2	Algebra	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	6.00	6.60	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2018	7.00	6.85	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	8	6	48	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.67	6.38	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019				
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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	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 : 7.73										

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 Zoti Pal

Controller of the Examinations

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **ABDUL MUNIM MONDAL**Registration No. **201801034245** of **2018-19**Roll No. **180331000001**

B.Sc. Honours in Microbiology (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	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	6	6	36	2018	6.00	5.91	Q
		CC-2	Bacteriology	6	6	36	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MICROBIOLOGY	CC-3	Biochemistry	5	6	30	2019	5.00	5.60	Q
		CC-4	Virology	5	6	30	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Communicative English	5	2	10	2019			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	6	6	36	2019	5.67	5.62	Q
		CC-6	Cell Biology	6	6	36	2019			
		CC-7	Molecular Biology	5	6	30	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2019			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	7	2	14	2019				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2020	7.67	7.69	Q
		CC-9	Environmental Microbiology	8	6	48	2020			
		CC-10	Food and Dairy Microbiology	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	7	2	14	2020			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2020	7.25	7.25	Q
		CC-12	Immunology	7	6	42	2020			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2020			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2020			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2021	8.25	8.25	Q
		CC-14	Recombinant DNA Technology	9	6	54	2021			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2021			
		DSE-4	Bio-Safety and Intellectual Property Rights	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 : 6.76										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: **ABHIJIT MONDAL**Registration No. **201801034246** of 2018-19Roll No. **180331000002**

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	5.55	Q
		CC-2	Physical Chemistry-I	6	6	36	2018			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2019	6.00	6.40	Q
		CC-4	Organic Chemistry-II	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	5	6	30	2019	6.67	6.54	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	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	7	6	42	2020	7.25	7.25	Q
		CC-12	Organic Chemistry-V	7	6	42	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	8	6	48	2020			
		DSE-2	Instrumental Methods of Chemical Analysis	7	6	42	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2021	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green Chemistry	9	6	54	2021			
		DSE-4	Inorganic Materials of Industrial Importance	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.39							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.17										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **ABHISHEK MUKHERJEE**Registration No. **201801034247** of 2018-19Roll No. **180331000003**

B.Sc. Honours in Microbiology (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	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	6	6	36	2018	5.50	5.45	Q
		CC-2	Bacteriology	5	6	30	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MICROBIOLOGY	CC-3	Biochemistry	5	6	30	2019	5.00	5.70	Q
		CC-4	Virology	5	6	30	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2019			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	6	6	36	2019	5.67	5.85	Q
		CC-6	Cell Biology	6	6	36	2019			
		CC-7	Molecular Biology	5	6	30	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2019			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	7	2	14	2019			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2020	8.00	7.92	Q
		CC-9	Environmental Microbiology	8	6	48	2020			
		CC-10	Food and Dairy Microbiology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	7	2	14	2020			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2020	7.50	7.50	Q
		CC-12	Immunology	7	6	42	2020			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2020			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2020			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2021	8.50	8.50	Q
		CC-14	Recombinant DNA Technology	9	6	54	2021			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2021			
		DSE-4	Bio-Safety and Intellectual Property Rights	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 : 6.87										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: AGNISWAR BANERJEE

Registration No. 201801034250 of 2018-19

Roll No.180331000005

B.Sc. Honours in Physiology (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	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2018	8.50	7.36	Q
		CC-2	Biological Physics and Enzymes	8	6	48	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2019	9.50	8.70	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	9	6	54	2019	9.33	9.08	Q
		CC-6	Circulation	10	6	60	2019			
		CC-7	Functions of The Nervous System	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2019			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2020	10.00	9.77	Q
		CC-9	Gastrointestinal Function	10	6	60	2020			
		CC-10	Respiration	10	6	60	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2020			
	PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20	2020			
V	PHYSIOLOGY	CC-11	Special Senses	10	6	60	2020	9.75	9.75	Q
		CC-12	Endocrinology	9	6	54	2020			
	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2020			
		DSE-2	Sports and Exercise Physiology	10	6	60	2020			
VI	PHYSIOLOGY	CC-13	Reproduction	10	6	60	2021	10.00	10.00	Q
		CC-14	Formation and Excretion of Urine	10	6	60	2021			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	10	6	60	2021			
		DSE-4	Toxicology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.61							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.15										

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 Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: AJAY MARJIT

Registration No. 201801034251 of 2018-19

Roll No.180331000006

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			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	5.00	5.40	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2019	5.67	5.54	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	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	10	6	60	2020	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	9	6	54	2021			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 7.32										

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 Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: ANINDITA MONDAL

Registration No. 201801034253 of 2018-19

Roll No.180331000007

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	5.00	5.64	Q
		CC-2	Algebra	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	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	8	6	48	2019	7.00	6.92	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	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	8.67	8.77	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	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 : 8.10										

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	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and 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: ANJAN DAS

Registration No. 201801034254 of 2018-19

Roll No.180331000008

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	2018	8.50	7.82	Q
		CC-2	Algebra	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	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	8	6	48	2019	7.33	6.92	Q
		CC-6	Group Theory I	7	6	42	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	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	8.69	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	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	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 : 8.55										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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: ANKIT KARMAKAR

Registration No. 201801034255 of 2018-19

Roll No.180331000009

B.Sc. Honours in Microbiology (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	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	6	6	36	2018	6.00	6.18	Q
		CC-2	Bacteriology	6	6	36	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MICROBIOLOGY	CC-3	Biochemistry	5	6	30	2019	5.50	6.40	Q
		CC-4	Virology	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	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	5	6	30	2019	5.67	5.92	Q
		CC-6	Cell Biology	6	6	36	2019			
		CC-7	Molecular Biology	6	6	36	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2019			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2019				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2020	8.00	8.00	Q
		CC-9	Environmental Microbiology	8	6	48	2020			
		CC-10	Food and Dairy Microbiology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2020			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2020	8.75	8.75	Q
		CC-12	Immunology	9	6	54	2020			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2020			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2020			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2021	9.00	9.00	Q
		CC-14	Recombinant DNA Technology	9	6	54	2021			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2021			
		DSE-4	Bio-Safety and Intellectual Property Rights	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 : 7.41										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: ARCHITA RUJ

Registration No. 201801034257 of 2018-19

Roll No.180331000010

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	6.18	Q
		CC-2	Ecology	6	6	36	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archeogoniatae)	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	5	6	30	2019	4.50	5.40	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	7	6	42	2019	6.67	6.31	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
		CC-7	Fundamentals of Biochemistry	6	6	36	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2019			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	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	8	6	48	2020	7.75	7.75	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.00	9.00	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2021			
		DSE-4	Endocrinology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.33							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.17										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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: ARGHYA MAL

Registration No. 201801034258 of 2018-19

Roll No.180331000011

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	5.91	Q
		CC-2	Algebra	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	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	6.00	6.00	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	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	5	6	30	2019	7.00	6.85	Q
		CC-6	Group Theory I	9	6	54	2020			
		CC-7	Numerical Methods	7	6	42	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	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	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 7.69										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: ARGHYASHREE DEHARI

Registration No. 201801034259 of 2018-19

Roll No.180331000012

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	7.55	Q
		CC-2	Algebra	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	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	9.00	8.50	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	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.67	6.85	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	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	8.33	8.46	Q
		CC-9	Multivariate Calculus	9	6	54	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	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.55										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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: ARINDAM MONDAL

Registration No. 201801034260 of 2018-19

Roll No.180331000013

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			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archeogoniatæ)	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	8.00	8.10	Q
		CC-4	Cell Biology	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	7.33	7.08	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
		CC-7	Fundamentals of Biochemistry	8	6	48	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	6	6	36	2019			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2020	8.33	8.23	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	9	6	54	2020			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2020	7.50	7.50	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	8.50	8.50	Q
		CC-14	Evolutionary Biology	8	6	48	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2021			
		DSE-4	Endocrinology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.83							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.77										


Date of Publication of Result: 26.08.2021

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

Arindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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: ARITRA KAIBARTYA

Registration No. 201801034261 of 2018-19

Roll No.180331000014

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	5	6	30	2018	5.50	5.27	Q
		CC-2	Archegoniatae	6	6	36	2018			
	ZOOLOGY	GE-1	Animal Diversity	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	5	6	30	2019	5.50	5.30	Q
		CC-4	Morphology and Anatomy of Angiosperms	6	6	36	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	5	2	10	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2019	6.67	6.46	Q
		CC-6	Plant Systematics	7	6	42	2019			
		CC-7	Economic Botany	6	6	36	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	6	6	36	2019			
	BOTANY	SEC-1	Agricultural Botany	6	2	12	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			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2020			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2020			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2020	8.00	8.00	Q
		CC-12	Plant Metabolism	7	6	42	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Bioinformatics	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2021	7.50	7.50	Q
		CC-14	Plant Biotechnology	7	6	42	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 : 7.11							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.85										


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 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: **ARNAB ROOJ**Registration No. **201801034262** of 2018-19Roll No. **180331000015**

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	6.73	Q
		CC-2	Physical Chemistry-I	7	6	42	2018			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2019	8.00	7.70	Q
		CC-4	Organic Chemistry-II	8	6	48	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2019			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2019	7.67	7.92	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	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	8	6	48	2020	9.25	9.25	Q
		CC-12	Organic Chemistry-V	10	6	60	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	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	Green Chemistry	10	6	60	2021			
		DSE-4	Inorganic Materials of Industrial Importance	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 : 8.48										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: ARPAN DAS

Registration No. 201801034263 of 2018-19

Roll No.180331000016

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	7	6	42	2019	7.00	7.20	Q
		CC-4	Cell Biology	7	6	42	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2019			
		AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.33	7.15	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	7	6	42	2019			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	8.33	8.54	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	8	6	48	2020			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2020	7.75	7.75	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.25	9.25	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2021			
		DSE-4	Endocrinology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.00							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.97										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: ARPITA DAS

Registration No. 201801034264 of 2018-19

Roll No.180331000017

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	7.00	Q
		CC-2	Algebra	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	MATHEMATICS	CC-3	Real Analysis	10	6	60	2019	9.50	8.70	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	8.00	7.92	Q
		CC-6	Group Theory I	7	6	42	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	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	9.00	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	2021			
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 : 8.79										


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 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: **ARPITA GHOSH**Registration No. **201801034265** of **2018-19**Roll No. **180331000018**

B.Sc. Honours in Economics (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	ECONOMICS	CC-1	Introductory Microeconomics	4	6	24	2018	5.50	6.09	Q
		CC-2	Statistics-I	7	6	42	2018			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	ECONOMICS	CC-3	Introductory Macroeconomics	6	6	36	2019	6.00	6.30	Q
		CC-4	Mathematical Economics-I	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2019			
III	ECONOMICS	CC-5	Intermediate Microeconomics	5	6	30	2019	6.00	6.15	Q
		CC-6	Intermediate Macroeconomics	7	6	42	2019			
		CC-7	Mathematical Economics -II	6	6	36	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2019			
ECONOMICS	SEC-1	Managerial Economics	8	2	16	2019				
IV	ECONOMICS	CC-8	Selected Features of Indian Economy	8	6	48	2020	8.00	8.08	Q
		CC-9	Statistics-II	8	6	48	2020			
		CC-10	Development Economics	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
ECONOMICS	SEC-2	Business Project Formulation & Appraisal	9	2	18	2020				
V	ECONOMICS	CC-11	International Economics	7	6	42	2020	8.50	8.50	Q
		CC-12	Money and Banking	9	6	54	2020			
	ECONOMICS	DSE-1	Selected Features of West Bengal Economy	8	6	48	2020			
		DSE-2	Public Economics	10	6	60	2020			
VI	ECONOMICS	CC-13	Basic Econometrics	9	6	54	2021	9.25	9.25	Q
		CC-14	Field Survey & Project Report	9	6	54	2021			
	ECONOMICS	DSE-3	Political Economy	10	6	60	2021			
		DSE-4	Entrepreneurship Development	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 : 7.44										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: ARUNIMA CHOWDHURY

Registration No. 201801034266 of 2018-19

Roll No.180331000019

B.Sc. Honours in Microbiology (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	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	8	6	48	2018	8.00	8.09	Q
		CC-2	Bacteriology	8	6	48	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	9	6	54	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MICROBIOLOGY	CC-3	Biochemistry	8	6	48	2019	8.50	8.40	Q
		CC-4	Virology	9	6	54	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2019			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2019			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2019	8.33	8.08	Q
		CC-6	Cell Biology	9	6	54	2019			
		CC-7	Molecular Biology	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2019			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2019				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2020	9.00	9.08	Q
		CC-9	Environmental Microbiology	9	6	54	2020			
		CC-10	Food and Dairy Microbiology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	10	2	20	2020			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	10	6	60	2020	9.50	9.50	Q
		CC-12	Immunology	9	6	54	2020			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2020			
		DSE-2	Instrumentation and Biotechniques	10	6	60	2020			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2021	9.75	9.75	Q
		CC-14	Recombinant DNA Technology	10	6	60	2021			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	10	6	60	2021			
		DSE-4	Bio-Safety and Intellectual Property Rights	10	6	60	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 : 8.83										

Date of Publication of Result: 26.08.2021

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

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **BAIDYANATH MANDAL**Registration No. **201801034267** of 2018-19Roll No. **180331000020**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	7.00	7.27	Q
		CC-2	Algebra	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	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	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	7	6	42	2019	7.33	6.92	Q
		CC-6	Group Theory I	7	6	42	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	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	9	6	54	2020	9.50	9.50	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.45										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **BALARAM PAL**Registration No. **201801034268** of 2018-19Roll No. **180331000021**

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	6.18	Q
		CC-2	Algebra	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	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	7.60	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	5	6	30	2019	6.33	6.23	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	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	8.08	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	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	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 : 7.99										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: **BANYA DAS**Registration No. **201801034269** of 2018-19Roll No. **180331000022**

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	6.18	Q
		CC-2	Physical Chemistry-I	6	6	36	2018			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	5	6	30	2019	5.50	5.70	Q
		CC-4	Organic Chemistry-II	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2019	6.67	7.00	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2020	8.00	8.23	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	9	6	54	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2020	8.75	8.75	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	9.75	9.75	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2021			
		DSE-4	Inorganic Materials of Industrial Importance	10	6	60	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

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: **BHASKAR BAGDI**Registration No. **201801034271** of 2018-19Roll No. **180331000024**

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	4	6	24	2018	4.50	4.64	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	5	6	30	2019	4.50	5.50	Q
		CC-4	Organic Chemistry-II	4	6	24	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	5	6	30	2019	4.67	5.00	Q
		CC-6	Inorganic Chemistry-II	4	6	24	2019			
		CC-7	Organic Chemistry-III	5	6	30	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	5	2	10	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	7	6	42	2020	7.00	7.00	Q
		CC-9	Inorganic Chemistry-III	7	6	42	2020			
		CC-10	Organic Chemistry - IV	7	6	42	2020			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	7	2	14	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2020	8.25	8.25	Q
		CC-12	Organic Chemistry-V	9	6	54	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	8	6	48	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2021	9.25	9.25	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2021			
		DSE-4	Inorganic Materials of Industrial Importance	9	6	54	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 : 6.65										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				Percentage of Conversion Formula: = (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: **BIKRAM BHANDARI**Registration No. **201801034272** of 2018-19Roll No. **180331000025**

B.Sc. Honours in Physiology (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	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	4	6	24	2018	4.00	4.45	Q
		CC-2	Biological Physics and Enzymes	4	6	24	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archeogoniatae)	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2018			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	5	6	30	2019	5.00	5.00	Q
		CC-4	Chemistry of Biomolecules	5	6	30	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	5	6	30	2019	6.33	6.92	Q
		CC-6	Circulation	7	6	42	2019			
		CC-7	Functions of The Nervous System	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2019			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	8	6	48	2020	8.00	8.00	Q
		CC-9	Gastrointestinal Function	8	6	48	2020			
		CC-10	Respiration	8	6	48	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2020			
	PHYSIOLOGY	SEC-2	Hematological Techniques	8	2	16	2020			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2020	6.75	6.75	Q
		CC-12	Endocrinology	6	6	36	2020			
	PHYSIOLOGY	DSE-1	Biological Statistics	6	6	36	2020			
		DSE-2	Sports and Exercise Physiology	7	6	42	2020			
VI	PHYSIOLOGY	CC-13	Reproduction	7	6	42	2021	6.75	6.75	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2021			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	6	6	36	2021			
		DSE-4	Toxicology	6	6	36	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.39							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.41										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **BISWAJIT BAGDI**Registration No. **201801034274** of **2018-19**Roll No. **180331000027**

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	5	6	30	2018	4.50	5.09	Q
		CC-2	Ecology	4	6	24	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archeogoniatæ)	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	5	6	30	2019	4.50	5.10	Q
		CC-4	Cell Biology	4	6	24	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	4	6	24	2019	4.67	4.92	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2019			
		CC-7	Fundamentals of Biochemistry	4	6	24	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	5	6	30	2019			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	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			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	7	6	42	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	7	2	14	2020			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2020	6.50	6.50	Q
		CC-12	Genetics	6	6	36	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	8.50	8.50	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2021			
		DSE-4	Endocrinology	8	6	48	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.28							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.23										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **BUDDHADEV MONDAL**Registration No. **201801034276** of 2018-19Roll No. **180331000029**

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	7.27	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	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	8.00	7.60	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.33	7.00	Q
		CC-6	Group Theory I	4	6	24	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	8	6	48	2020	8.33	8.54	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.38										

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 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: **CHAMPA HAZRA**Registration No. **201801034277** of **2018-19**Roll No. **180331000030**

B.Sc. Honours in Microbiology (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	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	7	6	42	2018	6.50	6.73	Q
		CC-2	Bacteriology	6	6	36	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MICROBIOLOGY	CC-3	Biochemistry	6	6	36	2019	6.00	6.20	Q
		CC-4	Virology	6	6	36	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Communicative English	5	2	10	2019			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	7	6	42	2019	7.00	6.85	Q
		CC-6	Cell Biology	7	6	42	2019			
		CC-7	Molecular Biology	7	6	42	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2019			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2019				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2020	8.67	8.54	Q
		CC-9	Environmental Microbiology	9	6	54	2020			
		CC-10	Food and Dairy Microbiology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2020			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2020	8.50	8.50	Q
		CC-12	Immunology	8	6	48	2020			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2020			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2020			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2021	9.00	9.00	Q
		CC-14	Recombinant DNA Technology	9	6	54	2021			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2021			
		DSE-4	Bio-Safety and Intellectual Property Rights	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 : 7.69										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **CHUMKI PAL**Registration No. **201801034278** of **2018-19**Roll No. **180331000031**

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	6.73	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	8	6	48	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	6.00	6.40	Q
		CC-4	Cell Biology	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2019			
		AECC-2	Bengali	10	2	20	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	6.33	6.54	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
		CC-7	Fundamentals of Biochemistry	5	6	30	2019			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2019			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	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			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2020	8.00	8.00	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	9.25	9.25	Q
		CC-14	Evolutionary Biology	10	6	60	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 : 7.56							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.52										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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: **DEBADITYA PANJA**Registration No. **201801034279** of **2018-19**Roll No. **180331000032**

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	6	6	36	2018	6.50	6.73	Q
		CC-2	Mechanics	7	6	42	2018			
	MATHEMATICS	GE-1	Differential Calculus	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	7.08	Q
		CC-6	Thermal Physics	6	6	36	2019			
		CC-7	Digital Systems and Applications	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2019				
IV	PHYSICS	CC-8	Mathematical Physics-III	8	6	48	2020	8.00	8.08	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	9	2	18	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	9	6	54	2020	9.00	9.00	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	9	6	54	2021	9.00	9.00	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 : 7.89							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 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: **DEBASMITA CHATTERJEE**Registration No. **201801034280** of **2018-19**Roll No. **180331000033**

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2018	5.00	5.36	Q
		CC-2	Mechanics	5	6	30	2018			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2019	5.00	6.10	Q
		CC-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2019	5.33	5.69	Q
		CC-6	Thermal Physics	5	6	30	2019			
		CC-7	Digital Systems and Applications	6	6	36	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	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	9	6	54	2020	9.00	9.00	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	9	6	54	2021	9.00	9.00	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 : 7.33							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.24										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **DEBOPRIYA ROOJ**Registration No. **201801034282** of **2018-19**Roll No. **180331000035**

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	5	6	30	2018	5.00	5.64	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	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2019	5.50	5.80	Q
		CC-4	Cell Biology	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2019			
		AECC-2	Bengali	10	2	20	2019			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2019	6.00	6.31	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
		CC-7	Fundamentals of Biochemistry	5	6	30	2019			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2019			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2020	7.67	7.69	Q
		CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2020			
		CC-10	Immunology	8	6	48	2020			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	7	2	14	2020			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2020	8.25	8.25	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	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 : 7.28							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.17										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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: DISHA MANDAL

Registration No. 201801034284 of 2018-19

Roll No.180331000037

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	7.27	Q
		CC-2	Archegoniatae	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	6	6	36	2019	7.00	6.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2019			
		AECC-2	Bengali	10	2	20	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2019	8.00	8.00	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	9.00	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2020			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2020			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2020	8.75	8.75	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Bioinformatics	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 : 8.33							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.18										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: DISHA SAHA

Registration No. 201801034285 of 2018-19

Roll No.180331000038

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	4.00	4.82	Q
		CC-2	Algebra	4	6	24	2018			
	PHYSICS	GE-1	Mechanics	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	5.50	5.70	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.31	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2019			
MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.33	8.92	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	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	9.50	9.50	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	2021			
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 : 8.18										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **GOPINATH MUKHERJEE**Registration No. **201801034287** of **2018-19**Roll No. **180331000040**

B.Sc. Honours in Physiology (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	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	8	6	48	2018	8.50	7.82	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2019	9.50	9.00	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2019	9.33	9.08	Q
		CC-6	Circulation	10	6	60	2019			
		CC-7	Functions of The Nervous System	10	6	60	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2019			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2020	10.00	10.00	Q
		CC-9	Gastrointestinal Function	10	6	60	2020			
		CC-10	Respiration	10	6	60	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	10	6	60	2020			
	PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20	2020			
V	PHYSIOLOGY	CC-11	Special Senses	10	6	60	2020	9.75	9.75	Q
		CC-12	Endocrinology	9	6	54	2020			
	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2020			
		DSE-2	Sports and Exercise Physiology	10	6	60	2020			
VI	PHYSIOLOGY	CC-13	Reproduction	10	6	60	2021	10.00	10.00	Q
		CC-14	Formation and Excretion of Urine	10	6	60	2021			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	10	6	60	2021			
		DSE-4	Toxicology	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.61							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.31										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: HIMADRI DAS

Registration No. 201801034288 of 2018-19

Roll No.180331000041

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2018	7.50	7.27	Q
		CC-2	Mechanics	8	6	48	2018			
	MATHEMATICS	GE-1	Differential Calculus	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	7.00	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	10	2	20	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2019	6.67	6.69	Q
		CC-6	Thermal Physics	6	6	36	2019			
		CC-7	Digital Systems and Applications	7	6	42	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2019			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2019			
IV	PHYSICS	CC-8	Mathematical Physics-III	8	6	48	2020	8.67	8.54	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	8	6	48	2020			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2020			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	9	6	54	2020	8.50	8.50	Q
		CC-12	Solid State Physics	9	6	54	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	9.00	9.00	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 : 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

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **INDRANI NAYEK**Registration No. **201801034289** of 2018-19Roll No. **180331000042**

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	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	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	7.50	7.20	Q
		CC-4	Cell Biology	8	6	48	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2019			
		AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	6.67	7.00	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	Apiculture	7	2	14	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	8.00	8.23	Q
		CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2020			
		CC-10	Immunology	8	6	48	2020			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	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	9.25	9.25	Q
		CC-14	Evolutionary Biology	10	6	60	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	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 : 7.89										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **JYOTIRMOY SAHA**Registration No. **201801034291** of **2018-19**Roll No. **180331000044**

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	7.00	7.00	Q
		CC-2	Ecology	6	6	36	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archeogoniatæ)	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	7.00	6.80	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	Communicative English	5	2	10	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	7.00	7.00	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2019			
		CC-7	Fundamentals of Biochemistry	6	6	36	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	7	6	42	2019			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	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			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	8.50	8.50	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	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	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	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 : 7.70										


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)	



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **KALYANI ROY**Registration No. **201801034292** of 2018-19Roll No. **180331000045**

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	7.00	7.10	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	7.00	7.15	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	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	8.31	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 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: **KAZI NISHAT MUSKAN**Registration No. **201801034293** of **2018-19**Roll No. **180331000046**

B.Sc. Honours in Microbiology (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	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	5	6	30	2018	5.00	5.91	Q
		CC-2	Bacteriology	5	6	30	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MICROBIOLOGY	CC-3	Biochemistry	4	6	24	2019	5.00	5.30	Q
		CC-4	Virology	6	6	36	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	6	6	36	2019			
	Communicative English/MIL	AECC-2	Communicative English	5	2	10	2019			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	6	6	36	2019	5.33	5.23	Q
		CC-6	Cell Biology	6	6	36	2019			
		CC-7	Molecular Biology	4	6	24	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2019			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	5	2	10	2019				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2020	7.67	7.54	Q
		CC-9	Environmental Microbiology	8	6	48	2020			
		CC-10	Food and Dairy Microbiology	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2020			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2020	7.50	7.50	Q
		CC-12	Immunology	7	6	42	2020			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2020			
		DSE-2	Microbial Biotechnology	8	6	48	2020			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2021	7.75	7.75	Q
		CC-14	Recombinant DNA Technology	8	6	48	2021			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2021			
		DSE-4	Bio-Safety and Intellectual Property Rights	7	6	42	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.67							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.58										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: KHONDEKAR TARIK AZIZ

Registration No. 201801034295 of 2018-19

Roll No.180331000048

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	5	6	30	2018	5.50	5.36	Q
		CC-2	Archegoniatae	6	6	36	2018			
	ZOOLOGY	GE-1	Animal Diversity	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	6	6	36	2019	5.50	5.20	Q
		CC-4	Morphology and Anatomy of Angiosperms	5	6	30	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	6	6	36	2019	5.67	5.46	Q
		CC-6	Plant Systematics	6	6	36	2019			
		CC-7	Economic Botany	5	6	30	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	5	6	30	2019			
	BOTANY	SEC-1	Agricultural Botany	5	2	10	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2020	8.00	7.77	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2020			
		CC-10	Molecular Biology	8	6	48	2020			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	7	6	42	2020			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2020			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2020	7.75	7.75	Q
		CC-12	Plant Metabolism	7	6	42	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2020			
		DSE-2	Bioinformatics	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2021	7.50	7.50	Q
		CC-14	Plant Biotechnology	7	6	42	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 : 6.89							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.56										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **KIRAN DAS**Registration No. **201801034296** of 2018-19Roll No. **180331000049**

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	7.00	6.55	Q
		CC-2	Algebra	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2019	7.50	6.90	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	6.62	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	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	8.67	8.46	Q
		CC-9	Multivariate Calculus	9	6	54	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	9	6	54	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.04										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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

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

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



THE UNIVERSITY OF BURDWAN

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

Name: **KOUSHIK DAS**Registration No. **201801034297** of 2018-19Roll No. **180331000050**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	8	6	48	2018	8.50	8.09	Q
		CC-2	Algebra	9	6	54	2018			
	PHYSICS	GE-1	Mechanics	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	7.20	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	8	6	48	2019	8.67	8.54	Q
		CC-6	Group Theory I	9	6	54	2019			
		CC-7	Numerical Methods	9	6	54	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	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	9	6	54	2020	9.25	9.25	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	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 : 8.73										

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 Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: KUSHAL SAHA

Registration No. 201801034299 of 2018-19

Roll No.180331000051

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	5.09	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	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	4.50	5.40	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	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	8.00	7.54	Q
		CC-6	Group Theory I	10	6	60	2020			
		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	8	2	16	2019				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	7.67	7.77	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 7.73										

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 Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **MANISHA HANSDA**Registration No. **201801034300** of **2018-19**Roll No. **180331000052**

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	6.50	6.73	Q
		CC-2	Ecology	6	6	36	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archeogoniatæ)	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2019	7.00	6.60	Q
		CC-4	Cell Biology	6	6	36	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	6	6	36	2019			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	6.33	6.00	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
		CC-7	Fundamentals of Biochemistry	5	6	30	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	5	6	30	2019			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	8.00	7.92	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	7	6	42	2020			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	7	2	14	2020			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2020	7.75	7.75	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	8.50	8.50	Q
		CC-14	Evolutionary Biology	8	6	48	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2021			
		DSE-4	Endocrinology	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 : 7.27										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: MD AFROJ

Registration No. 201801034301 of 2018-19

Roll No.180331000053

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	6.27	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	7.00	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	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	7.00	7.08	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	9	6	54	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	8.33	8.23	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.14										

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 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: MD ASIF MOLLA

Registration No. 201801034302 of 2018-19

Roll No.180331000054

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2018	7.50	7.09	Q
		CC-2	Mechanics	7	6	42	2018			
	MATHEMATICS	GE-1	Differential Calculus	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	7.00	7.00	Q
		CC-4	Waves and Optics	8	6	48	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	8	6	48	2019	8.00	7.77	Q
		CC-6	Thermal Physics	8	6	48	2019			
		CC-7	Digital Systems and Applications	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	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	9.00	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	9	6	54	2020	9.00	9.00	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	9	6	54	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	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 : 8.24										


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: MIJANUR THANADAR

Registration No. 201801034303 of 2018-19

Roll No.180331000055

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	6.00	6.27	Q
		CC-2	Algebra	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	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	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	7.00	7.15	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	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	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.37										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **MONISHA ROY**Registration No. **201801034305** of 2018-19Roll No. **180331000057**

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	2018	9.00	8.09	Q
		CC-2	Algebra	9	6	54	2018			
	PHYSICS	GE-1	Mechanics	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	8.50	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	8	6	48	2019	8.67	8.38	Q
		CC-6	Group Theory I	9	6	54	2019			
		CC-7	Numerical Methods	9	6	54	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	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	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	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 9.07										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: MOUMITA ROY

Registration No. 201801034306 of 2018-19

Roll No.180331000058

B.Sc. Honours in Microbiology (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	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	8	6	48	2018	8.00	8.27	Q
		CC-2	Bacteriology	8	6	48	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	9	6	54	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2019	9.00	8.60	Q
		CC-4	Virology	9	6	54	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2019			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2019			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2019	8.00	7.85	Q
		CC-6	Cell Biology	8	6	48	2019			
		CC-7	Molecular Biology	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2019			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2019				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2020	9.00	9.00	Q
		CC-9	Environmental Microbiology	9	6	54	2020			
		CC-10	Food and Dairy Microbiology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2020			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2020	9.00	9.00	Q
		CC-12	Immunology	9	6	54	2020			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2020			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2020			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2021	9.75	9.75	Q
		CC-14	Recombinant DNA Technology	10	6	60	2021			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	10	6	60	2021			
		DSE-4	Bio-Safety and Intellectual Property Rights	10	6	60	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 : 8.75										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: MOUMITA SADHU

Registration No. 201801034308 of 2018-19

Roll No.180331000059

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	6.00	6.45	Q
		CC-2	Algebra	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	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	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	6	6	36	2019	7.67	7.69	Q
		CC-6	Group Theory I	9	6	54	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	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	9.00	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.94							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.72										

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 Zoti Pal

Controller of the Examinations

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

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: NABANITA MANDAL

Registration No. 201801034309 of 2018-19

Roll No.180331000060

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	7.00	7.00	Q
		CC-2	Algebra	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	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	8.50	8.10	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	7	6	42	2019	7.67	7.69	Q
		CC-6	Group Theory I	7	6	42	2019			
		CC-7	Numerical Methods	9	6	54	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	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	9.00	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	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 : 8.62										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: NURHASNA KHATUN

Registration No. 201801034312 of 2018-19

Roll No.180331000063

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	5.45	Q
		CC-2	Algebra	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2019	9.00	8.20	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.67	7.00	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2019			
MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2019				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.33	8.31	Q
		CC-9	Multivariate Calculus	9	6	54	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	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.14										

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 Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: NURJAHAN KHATUN

Registration No. 201801034313 of 2018-19

Roll No.180331000064

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2018	5.50	6.00	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	MATHEMATICS	GE-1	Differential Calculus	7	6	42	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	6.30	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2019	7.67	7.46	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	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	8	6	48	2020	8.75	8.75	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	9.50	9.50	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2021			
		DSE-4	Inorganic Materials of Industrial Importance	9	6	54	2021			
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 : 7.87										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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 GARAI**Registration No. **201801034315** of **2018-19**Roll No. **180331000065**

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	4	6	24	2018	4.00	4.36	Q
		CC-2	Archegoniatae	4	6	24	2018			
	ZOOLOGY	GE-1	Animal Diversity	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	5	6	30	2019	5.00	6.00	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	6.33	6.00	Q
		CC-6	Plant Systematics	5	6	30	2019			
		CC-7	Economic Botany	7	6	42	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	5	6	30	2019			
	BOTANY	SEC-1	Agricultural Botany	6	2	12	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2020	8.00	7.92	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2020			
		CC-10	Molecular Biology	8	6	48	2020			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2020			
	BOTANY	SEC-2	Biofertilizers	7	2	14	2020			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2020	8.00	8.00	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	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 : 6.94							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.77										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *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: **POULOMI BHOWMICK**Registration No. **201801034316** of **2018-19**Roll No. **180331000066**

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	5	6	30	2018	5.50	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	6	6	36	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	6.00	6.60	Q
		CC-4	Cell Biology	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2019			
		AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2019	6.00	6.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2019			
		CC-7	Fundamentals of Biochemistry	5	6	30	2019			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2019			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2020	7.67	8.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2020			
		CC-10	Immunology	8	6	48	2020			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	9.00	9.00	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	10	6	60	2021	9.50	9.50	Q
		CC-14	Evolutionary Biology	10	6	60	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	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 : 7.59										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **PRITAM MAHARA**Registration No. **201801034317** of **2018-19**Roll No. **180331000067**

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	6.50	6.55	Q
		CC-2	Algebra	9	6	54	2020			
	COMPUTER SCIENCE	GE-1	Problem Solving using Computer	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	7.00	6.60	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	COMPUTER SCIENCE	GE-2	Database Management Systems	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	4	6	24	2019	6.67	6.31	Q
		CC-6	Group Theory I	9	6	54	2020			
		CC-7	Numerical Methods	7	6	42	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	7	6	42	2020	7.00	7.08	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	PHYSICS	GE-4	Waves and Optics	7	6	42	2020			
MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2020	9.25	9.25	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 7.65										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **PRITIKANA MONDAL**Registration No. **201801034318** of **2018-19**Roll No. **180331000068**

B.Sc. Honours in Physiology (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	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	7	6	42	2018	7.00	6.27	Q
		CC-2	Biological Physics and Enzymes	7	6	42	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archeogoniatae)	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	5	6	30	2019	5.00	6.00	Q
		CC-4	Chemistry of Biomolecules	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	PHYSIOLOGY	CC-5	Circulating Body Fluids	6	6	36	2019	6.33	6.92	Q
		CC-6	Circulation	6	6	36	2019			
		CC-7	Functions of The Nervous System	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2019				
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	8	6	48	2020	8.00	8.31	Q
		CC-9	Gastrointestinal Function	8	6	48	2020			
		CC-10	Respiration	8	6	48	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2020			
PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2020				
V	PHYSIOLOGY	CC-11	Special Senses	9	6	54	2020	7.75	7.75	Q
		CC-12	Endocrinology	8	6	48	2020			
	PHYSIOLOGY	DSE-1	Biological Statistics	7	6	42	2020			
		DSE-2	Sports and Exercise Physiology	7	6	42	2020			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2021	7.50	7.50	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2021			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	7	6	42	2021			
		DSE-4	Toxicology	7	6	42	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.11							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.18										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: RAHUL MONDAL

Registration No. 201801034320 of 2018-19

Roll No.180331000069

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	6.45	Q
		CC-2	Algebra	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	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	7.50	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	6	6	36	2019	6.67	6.69	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	9	6	54	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	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	8.33	8.23	Q
		CC-9	Multivariate Calculus	8	6	48	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	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.13										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: **RAKESH DHARA**Registration No. **201801034323** of 2018-19Roll No. **180331000072**

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	7	6	42	2018	6.50	6.73	Q
		CC-2	Mechanics	6	6	36	2018			
	MATHEMATICS	GE-1	Differential Calculus	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2019	5.50	6.00	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	9	2	18	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2019	6.67	6.92	Q
		CC-6	Thermal Physics	6	6	36	2019			
		CC-7	Digital Systems and Applications	7	6	42	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2019			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	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	9	6	54	2020	9.00	9.00	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	9	6	54	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	10	6	60	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 : 7.85										


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 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: **RAKESH MONDAL**Registration No. **201801034324** of 2018-19Roll No. **180331000073**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	6.00	6.45	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	7	6	42	2019	8.00	8.20	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	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	6.33	6.77	Q
		CC-6	Group Theory I	7	6	42	2019			
		CC-7	Numerical Methods	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2019				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.33	8.54	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	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 : 8.21										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: RANADHIR GAIN

Registration No. 201801034326 of 2018-19

Roll No.180331000075

B.Sc. Honours in Physiology (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	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	7	6	42	2018	7.00	6.55	Q
		CC-2	Biological Physics and Enzymes	7	6	42	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archeogoniatae)	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	6	6	36	2019	6.00	6.30	Q
		CC-4	Chemistry of Biomolecules	6	6	36	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	6	6	36	2019	6.33	6.85	Q
		CC-6	Circulation	7	6	42	2019			
		CC-7	Functions of The Nervous System	6	6	36	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2019			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	8	6	48	2020	7.67	7.77	Q
		CC-9	Gastrointestinal Function	7	6	42	2020			
		CC-10	Respiration	8	6	48	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2020			
	PHYSIOLOGY	SEC-2	Hematological Techniques	8	2	16	2020			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2020	7.00	7.00	Q
		CC-12	Endocrinology	7	6	42	2020			
	PHYSIOLOGY	DSE-1	Biological Statistics	6	6	36	2020			
		DSE-2	Sports and Exercise Physiology	7	6	42	2020			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2021	7.75	7.75	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2021			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	7	6	42	2021			
		DSE-4	Toxicology	7	6	42	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.06							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.07										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: RANGAN HAZRA

Registration No. 201801034327 of 2018-19

Roll No.180331000076

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	5.64	Q
		CC-2	Algebra	4	6	24	2019			
	PHYSICS	GE-1	Mechanics	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	6.00	6.60	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.67	6.54	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2019			
MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2019				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.33	8.23	Q
		CC-9	Multivariate Calculus	8	6	48	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	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 7.85										

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 Zoti Pal

Controller of the Examinations

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

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: RANOTOSH BANERJEE

Registration No. 201801034328 of 2018-19

Roll No.180331000077

B.Sc. Honours in Microbiology (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	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	5	6	30	2018	5.00	5.18	Q
		CC-2	Bacteriology	5	6	30	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MICROBIOLOGY	CC-3	Biochemistry	7	6	42	2019	6.50	6.70	Q
		CC-4	Virology	6	6	36	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	7	6	42	2019	6.67	6.46	Q
		CC-6	Cell Biology	7	6	42	2019			
		CC-7	Molecular Biology	6	6	36	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2019			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	6	2	12	2019				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2020	8.00	8.00	Q
		CC-9	Environmental Microbiology	8	6	48	2020			
		CC-10	Food and Dairy Microbiology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2020			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2020	7.75	7.75	Q
		CC-12	Immunology	8	6	48	2020			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2020			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2020			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2021	8.25	8.25	Q
		CC-14	Recombinant DNA Technology	9	6	54	2021			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2021			
		DSE-4	Bio-Safety and Intellectual Property Rights	8	6	48	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 : 7.10										

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:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

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



THE UNIVERSITY OF BURDWAN

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

Name: RIMA GUIN

Registration No. 201801034329 of 2018-19

Roll No.180331000078

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2018	5.50	5.64	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	MATHEMATICS	GE-1	Differential Calculus	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	6.40	Q
		CC-4	Organic Chemistry-II	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	5	6	30	2019	6.00	6.54	Q
		CC-6	Inorganic Chemistry-II	6	6	36	2019			
		CC-7	Organic Chemistry-III	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	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	8	6	48	2020	8.75	8.75	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	9.75	9.75	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2021			
		DSE-4	Inorganic Materials of Industrial Importance	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 : 7.56										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: **RITAM MUKHERJEE**Registration No. **201801034330** of 2018-19Roll No. **180331000079**

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	8.50	8.00	Q
		CC-2	Physical Chemistry-I	9	6	54	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	8.00	7.90	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2019	8.33	7.92	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	10	2	20	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2020	9.33	9.23	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2020			
		CC-10	Organic Chemistry - IV	10	6	60	2020			
	MATHEMATICS	GE-4	Algebra	9	6	54	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2020	9.25	9.25	Q
		CC-12	Organic Chemistry-V	10	6	60	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	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	Green 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 : 9.06							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.75										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: RITWIK RAY

Registration No. 201801034331 of 2018-19

Roll No.180331000080

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	5.45	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	MATHEMATICS	GE-1	Differential Calculus	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	6.00	5.70	Q
		CC-4	Organic Chemistry-II	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2019	6.00	6.31	Q
		CC-6	Inorganic Chemistry-II	6	6	36	2019			
		CC-7	Organic Chemistry-III	6	6	36	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	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	8	6	48	2020	8.75	8.75	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	9.75	9.75	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green 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 : 7.67							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

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: **ROHIT MONDAL**Registration No. **201801034333** of 2018-19Roll No. **180331000082**

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	6.27	Q
		CC-2	Physical Chemistry-I	6	6	36	2018			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2019	7.50	6.50	Q
		CC-4	Organic Chemistry-II	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Communicative English	5	2	10	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2019	6.67	6.77	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	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	8	6	48	2020	8.75	8.75	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	9.75	9.75	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green 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 : 8.11							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 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: RUBINA KHATUN

Registration No. 201801034334 of 2018-19

Roll No.180331000083

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			
	ZOOLOGY	GE-1	Animal Diversity	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	7.50	7.60	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	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	8	6	48	2019	8.67	8.23	Q
		CC-6	Plant Systematics	9	6	54	2019			
		CC-7	Economic Botany	9	6	54	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	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	9.08	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2020			
	BOTANY	SEC-2	Biofertilizers	10	2	20	2020			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2020	8.75	8.75	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Bioinformatics	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 : 8.56							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.37										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *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: RUPA PAL

Registration No. 201801034335 of 2018-19

Roll No.180331000084

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	5	6	30	2018	6.50	6.27	Q
		CC-2	Archegoniatae	8	6	48	2018			
	ZOOLOGY	GE-1	Animal Diversity	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	6.50	6.60	Q
		CC-4	Morphology and Anatomy of Angiosperms	7	6	42	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	8	6	48	2019	7.67	7.38	Q
		CC-6	Plant Systematics	7	6	42	2019			
		CC-7	Economic Botany	8	6	48	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	7	6	42	2019			
	BOTANY	SEC-1	Agricultural Botany	6	2	12	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	8.33	8.15	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2020			
		CC-10	Molecular Biology	8	6	48	2020			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2020			
	BOTANY	SEC-2	Biofertilizers	7	2	14	2020			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2020	8.75	8.75	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	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2021	8.75	8.75	Q
		CC-14	Plant Biotechnology	8	6	48	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 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

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: SAMRAT DAS

Registration No. 201801034336 of 2018-19

Roll No.180331000085

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2018	5.50	5.36	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2019	7.00	6.70	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2019	6.67	6.31	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	7	6	42	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	8.00	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2020			
		CC-10	Organic Chemistry - IV	8	6	48	2020			
	MATHEMATICS	GE-4	Algebra	8	6	48	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2020	9.00	9.00	Q
		CC-12	Organic Chemistry-V	10	6	60	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.50	9.50	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green 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 : 7.94							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.52										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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 MANDAL

Registration No. 201801034337 of 2018-19

Roll No.180331000086

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	4.91	Q
		CC-2	Algebra	4	6	24	2019			
	PHYSICS	GE-1	Mechanics	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	2020	7.00	6.70	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	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	5.33	5.31	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	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	7.67	7.77	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 7.39										

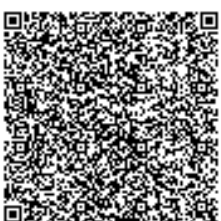
Date of Publication of Result: 26.08.2021

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

Anindya 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: SANKHADIP SADHU

Registration No. 201801034338 of 2018-19

Roll No. 180331000087

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	6.73	Q
		CC-2	Physical Chemistry-I	7	6	42	2018			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2019	7.00	6.70	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	5	6	30	2019	6.33	6.54	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2020	8.00	8.08	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	9	2	18	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2020	8.50	8.50	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	9.75	9.75	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green 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 : 8.00							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.75										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: SANTU DUTTA

Registration No. 201801034339 of 2018-19

Roll No.180331000088

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	7.50	7.82	Q
		CC-2	Mechanics	6	6	36	2018			
	MATHEMATICS	GE-1	Differential Calculus	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	8.10	Q
		CC-4	Waves and Optics	8	6	48	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	10	6	60	2019	8.33	8.08	Q
		CC-6	Thermal Physics	7	6	42	2019			
		CC-7	Digital Systems and Applications	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2019			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2019			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2020	9.00	9.00	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	9	6	54	2020	9.00	9.00	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	9	6	54	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	10	6	60	2021			
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 : 8.56										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **SAPTADIPA PAL**Registration No. **201801034340** of **2018-19**Roll No. **180331000089**

B.Sc. Honours in Microbiology (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	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	8	6	48	2018	7.50	7.55	Q
		CC-2	Bacteriology	7	6	42	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MICROBIOLOGY	CC-3	Biochemistry	7	6	42	2019	7.00	6.90	Q
		CC-4	Virology	7	6	42	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2019			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2019	7.33	7.08	Q
		CC-6	Cell Biology	7	6	42	2019			
		CC-7	Molecular Biology	7	6	42	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2019			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2019			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2020	9.00	9.00	Q
		CC-9	Environmental Microbiology	9	6	54	2020			
		CC-10	Food and Dairy Microbiology	9	6	54	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2020			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2020	9.25	9.25	Q
		CC-12	Immunology	9	6	54	2020			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2020			
		DSE-2	Instrumentation and Biotechniques	10	6	60	2020			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	10	6	60	2021	9.75	9.75	Q
		CC-14	Recombinant DNA Technology	10	6	60	2021			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2021			
		DSE-4	Bio-Safety and Intellectual Property Rights	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 : 8.30										

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 Zoti Pal

Controller of the Examinations

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: SAPTAKI SAHA

Registration No. 201801034341 of 2018-19

Roll No.180331000090

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	6	6	36	2018	6.50	6.73	Q
		CC-2	Ecology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	7.00	6.90	Q
		CC-4	Cell Biology	7	6	42	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2019			
		AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.67	7.69	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	Apiculture	7	2	14	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	8.67	8.69	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2020			
		CC-10	Immunology	8	6	48	2020			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
	V	ZOOLOGY	CC-11	Molecular Biology	8	6	48			
CC-12			Genetics	8	6	48	2020			
ZOOLOGY		DSE-1	Animal Biotechnology	9	6	54	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	9.25	9.25	Q
		CC-14	Evolutionary Biology	10	6	60	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 : 8.11							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

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: SAROWAL SK

Registration No. 201801034342 of 2018-19

Roll No.180331000091

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	4	6	24	2018	4.50	5.09	Q
		CC-2	Archegoniatae	5	6	30	2018			
	ZOOLOGY	GE-1	Animal Diversity	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2020	7.00	7.10	Q
		CC-4	Morphology and Anatomy of Angiosperms	7	6	42	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	5	6	30	2019	5.33	5.38	Q
		CC-6	Plant Systematics	5	6	30	2019			
		CC-7	Economic Botany	6	6	36	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	5	6	30	2019			
	BOTANY	SEC-1	Agricultural Botany	7	2	14	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	7	6	42	2020	7.33	7.15	Q
		CC-9	Biomolecules and Cell Biology	7	6	42	2020			
		CC-10	Molecular Biology	8	6	48	2020			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	7	6	42	2020			
	BOTANY	SEC-2	Biofertilizers	6	2	12	2020			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2020	7.75	7.75	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	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	7	6	42	2021	6.75	6.75	Q
		CC-14	Plant Biotechnology	6	6	36	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	7	6	42	2021			
		DSE-4	Industrial and Environmental Microbiology	7	6	42	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.61							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.54										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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: SATYAJIT MONDAL

Registration No. 201801034343 of 2018-19

Roll No.180331000092

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	7.00	7.00	Q
		CC-2	Algebra	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	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	6.50	7.00	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	7.33	7.46	Q
		CC-6	Group Theory I	6	6	36	2019			
		CC-7	Numerical Methods	9	6	54	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2019			
MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2019				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.67	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	9	6	54	2020			
MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.38										


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 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: SAURAV GANGULY

Registration No. 201801034344 of 2018-19

Roll No.180331000093

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	5.50	6.18	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	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			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	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	7.67	7.62	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2019			
MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2019				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2020	9.00	9.00	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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

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

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: SAYANI BANERJEE

Registration No. 201801034345 of 2018-19

Roll No.180331000094

B.Sc. Honours in Microbiology (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	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	6	6	36	2018	6.00	6.27	Q
		CC-2	Bacteriology	6	6	36	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	MICROBIOLOGY	CC-3	Biochemistry	7	6	42	2019	7.00	6.80	Q
		CC-4	Virology	7	6	42	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Communicative English	5	2	10	2019			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	7	6	42	2019	7.00	6.92	Q
		CC-6	Cell Biology	8	6	48	2019			
		CC-7	Molecular Biology	6	6	36	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2019			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	6	2	12	2019				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2020	8.00	8.08	Q
		CC-9	Environmental Microbiology	8	6	48	2020			
		CC-10	Food and Dairy Microbiology	8	6	48	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2020			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2020			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2020	8.50	8.50	Q
		CC-12	Immunology	8	6	48	2020			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2020			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2020			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2021	9.00	9.00	Q
		CC-14	Recombinant DNA Technology	9	6	54	2021			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2021			
		DSE-4	Bio-Safety and Intellectual Property Rights	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 : 7.63										


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 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 SENGUPTA**Registration No. **201801034346** of **2018-19**Roll No. **180331000095**

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	6.82	Q
		CC-2	Archegoniatae	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2019	8.00	7.50	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2019			
		AECC-2	Bengali	9	2	18	2019			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2019	8.00	8.00	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	9.00	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2020			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2020			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2020	8.50	8.50	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Bioinformatics	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2021	7.75	7.75	Q
		CC-14	Plant Biotechnology	7	6	42	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	7	6	42	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 : 7.97										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: SHREYASHI ROY

Registration No. 201801034348 of 2018-19

Roll No.180331000097

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2018	6.50	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	9	6	54	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	8.20	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	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	8.33	8.15	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	7	6	42	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	9.08	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2020			
	PHYSICS	GE-4	Waves and Optics	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.94							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.82										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: SHUVAJIT MONDAL

Registration No. 201801034350 of 2018-19

Roll No. 180331000098

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	8	6	48	2018	7.50	7.27	Q
		CC-2	Physical Chemistry-I	7	6	42	2018			
	MATHEMATICS	GE-1	Differential Calculus	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2019	7.00	7.00	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2019	7.67	7.69	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	8	6	48	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	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	7	6	42	2020	8.50	8.50	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	Green Chemistry	9	6	54	2021			
		DSE-4	Inorganic Materials of Industrial Importance	9	6	54	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 : 8.13										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: SK AKBAR UDDIN

Registration No. 201801034351 of 2018-19

Roll No.180331000099

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	5	6	30	2018	6.00	6.45	Q
		CC-2	Ecology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	7.50	7.60	Q
		CC-4	Cell Biology	8	6	48	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2019			
		AECC-2	Bengali	10	2	20	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.00	7.00	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	Apiculture	7	2	14	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			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2020	8.00	8.00	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	8.75	8.75	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2021			
		DSE-4	Endocrinology	8	6	48	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 : 7.69										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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 ANOWAR

Registration No. 201801034352 of 2018-19

Roll No.180331000100

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	8.50	8.36	Q
		CC-2	Mechanics	8	6	48	2018			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2019	8.00	8.50	Q
		CC-4	Waves and Optics	8	6	48	2019			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	10	6	60	2019	8.67	8.54	Q
		CC-6	Thermal Physics	8	6	48	2019			
		CC-7	Digital Systems and Applications	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2019			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2019			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2020	9.33	9.31	Q
		CC-9	Elements of Modern Physics	9	6	54	2020			
		CC-10	Analog Systems & Applications	10	6	60	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2020			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	10	2	20	2020			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	10	6	60	2020	9.00	9.00	Q
		CC-12	Solid State Physics	9	6	54	2020			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2020			
		DSE-2	Classical Dynamics	8	6	48	2020			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2021	9.00	9.00	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 : 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

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: SK TAJIMUL ISLAM

Registration No. 201801034354 of 2018-19

Roll No.180331000102

B.Sc. Honours in Physics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2018	7.50	7.27	Q
		CC-2	Mechanics	7	6	42	2018			
	MATHEMATICS	GE-1	Differential Calculus	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	7.50	7.90	Q
		CC-4	Waves and Optics	8	6	48	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	8	6	48	2019	7.00	6.85	Q
		CC-6	Thermal Physics	5	6	30	2019			
		CC-7	Digital Systems and Applications	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	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	8.77	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	8	6	48	2020			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	9	6	54	2020	9.00	9.00	Q
		CC-12	Solid State Physics	9	6	54	2020			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2020			
		DSE-2	Classical Dynamics	8	6	48	2020			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2021	9.00	9.00	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 : 8.33							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 Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: SOMNATH MONDAL

Registration No. 201801034356 of 2018-19

Roll No.180331000103

B.Sc. Honours in Physiology (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	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	4	6	24	2018	4.50	5.27	Q
		CC-2	Biological Physics and Enzymes	5	6	30	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archeogoniatae)	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2018			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	6	6	36	2019	7.00	6.70	Q
		CC-4	Chemistry of Biomolecules	8	6	48	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	5	6	30	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	5	6	30	2019	6.33	6.77	Q
		CC-6	Circulation	7	6	42	2019			
		CC-7	Functions of The Nervous System	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2019			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	8	6	48	2020	8.00	8.08	Q
		CC-9	Gastrointestinal Function	8	6	48	2020			
		CC-10	Respiration	8	6	48	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2020			
	PHYSIOLOGY	SEC-2	Clinical Biochemistry	9	2	18	2020			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2020	7.50	7.50	Q
		CC-12	Endocrinology	8	6	48	2020			
	PHYSIOLOGY	DSE-1	Biological Statistics	7	6	42	2020			
		DSE-2	Sports and Exercise Physiology	7	6	42	2020			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2021	8.75	8.75	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2021			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2021			
		DSE-4	Toxicology	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

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **SOUMYA CHATTERJEE**Registration No. **201801034357** of **2018-19**Roll No. **180331000104**

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	6	6	36	2018	6.00	6.73	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	8	6	48	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2019	5.00	6.10	Q
		CC-4	Waves and Optics	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2019			
		AECC-2	Bengali	10	2	20	2019			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2019	5.33	5.38	Q
		CC-6	Thermal Physics	5	6	30	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	8	6	48	2020	8.00	7.77	Q
		CC-9	Elements of Modern Physics	8	6	48	2020			
		CC-10	Analog Systems & Applications	8	6	48	2020			
	MATHEMATICS	GE-4	Algebra	7	6	42	2020			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2020			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	9	6	54	2020	9.00	9.00	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	9	6	54	2021	9.00	9.00	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 : 7.44							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.35										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **SOUMYADEEP SARKAR**Registration No. **201801034358** of **2018-19**Roll No. **180331000105**

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	6.50	7.27	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	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	8.10	Q
		CC-4	Cell Biology	8	6	48	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2019			
		AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.33	7.23	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	7	6	42	2019			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	8.67	8.69	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	9	6	54	2020			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2020	8.25	8.25	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.75	9.75	Q
		CC-14	Evolutionary Biology	10	6	60	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 : 8.28							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.23										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: SOUMYAJIT MANDAL

Registration No. 201801034359 of 2018-19

Roll No.180331000106

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	7	6	42	2018	6.00	6.55	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	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	6.00	6.40	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.67	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	6	6	36	2019			
MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2019				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.33	8.23	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	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	9	6	54	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	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

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **SOURAV SAHA**Registration No. **201801034360** of 2018-19Roll No. **180331000107**

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	7.27	Q
		CC-2	Algebra	6	6	36	2018			
	COMPUTER SCIENCE	GE-1	Problem Solving using Computer	9	6	54	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			
	COMPUTER SCIENCE	GE-2	Database Management Systems	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	5	6	30	2019	6.33	6.77	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	7	6	42	2019			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	8.00	8.31	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.55										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: SUBHABRATA ACHARYA

Registration No. 201801034361 of 2018-19

Roll No.180331000108

B.Sc. Honours in Physiology (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	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2018	8.50	7.82	Q
		CC-2	Biological Physics and Enzymes	8	6	48	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	8	6	48	2019	8.50	8.20	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	7	6	42	2019	8.33	8.38	Q
		CC-6	Circulation	9	6	54	2019			
		CC-7	Functions of The Nervous System	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2019			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2020	9.00	9.08	Q
		CC-9	Gastrointestinal Function	9	6	54	2020			
		CC-10	Respiration	9	6	54	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2020			
	PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20	2020			
V	PHYSIOLOGY	CC-11	Special Senses	10	6	60	2020	9.75	9.75	Q
		CC-12	Endocrinology	9	6	54	2020			
	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2020			
		DSE-2	Sports and Exercise Physiology	10	6	60	2020			
VI	PHYSIOLOGY	CC-13	Reproduction	10	6	60	2021	10.00	10.00	Q
		CC-14	Formation and Excretion of Urine	10	6	60	2021			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	10	6	60	2021			
		DSE-4	Toxicology	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 : 8.90										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				Percentage of Conversion Formula: = (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: SUBHADRA MAL

Registration No. 201801034362 of 2018-19

Roll No.180331000109

B.Sc. Honours in Physiology (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	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	7	6	42	2018	7.50	7.27	Q
		CC-2	Biological Physics and Enzymes	8	6	48	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	6	6	36	2019	6.00	6.50	Q
		CC-4	Chemistry of Biomolecules	6	6	36	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2019			
		AECC-2	Bengali	8	2	16	2019			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	7	6	42	2019	7.00	7.38	Q
		CC-6	Circulation	7	6	42	2019			
		CC-7	Functions of The Nervous System	7	6	42	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2019			
IV	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2019	8.00	8.08	Q
		CC-8	Energy Balance, Metabolism and Nutrition	8	6	48	2020			
		CC-9	Gastrointestinal Function	8	6	48	2020			
	CC-10	Respiration	8	6	48	2020				
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2020			
V	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2020	8.25	8.25	Q
		CC-11	Special Senses	9	6	54	2020			
	PHYSIOLOGY	CC-12	Endocrinology	8	6	48	2020			
		DSE-1	Biological Statistics	8	6	48	2020			
VI	PHYSIOLOGY	DSE-2	Sports and Exercise Physiology	8	6	48	2020	8.25	8.25	Q
		CC-13	Reproduction	8	6	48	2021			
	PHYSIOLOGY	CC-14	Formation and Excretion of Urine	9	6	54	2021			
		DSE-3	Human Nutrition and Dietetics	8	6	48	2021			
		DSE-4	Toxicology	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 : 7.66										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **SUBHAMOY BANERJEE**Registration No. **201801034363** of **2018-19**Roll No. **180331000110**

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	6.55	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	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	5.50	6.40	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.67	7.23	Q
		CC-6	Group Theory I	4	6	24	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	8	6	48	2020	8.00	8.31	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
MATHEMATICS	SEC-2	Graph Theory	9	2	18	2020				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 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	Grade Point Norms		Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0
	90% to 100%	10	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: SUBHANKAR BAL

Registration No. 201801034364 of 2018-19

Roll No.180331000111

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	6.45	Q
		CC-2	Archegoniatae	7	6	42	2018			
	ZOOLOGY	GE-1	Animal Diversity	5	6	30	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	7.80	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	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	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2019	7.67	7.31	Q
		CC-6	Plant Systematics	7	6	42	2019			
		CC-7	Economic Botany	8	6	48	2019			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	6	6	36	2019			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2019			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2020	9.00	8.92	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2020			
		CC-10	Molecular Biology	9	6	54	2020			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2020			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2020			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2020	8.75	8.75	Q
		CC-12	Plant Metabolism	9	6	54	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Bioinformatics	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2021	8.00	8.00	Q
		CC-14	Plant Biotechnology	7	6	42	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 : 8.11							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.90										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				Percentage of Conversion Formula: = (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: **SUBHASHREE MONDAL**Registration No. **201801034365** of **2018-19**Roll No. **180331000112**

B.Sc. Honours in Zoology (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2018	7.00	7.27	Q
		CC-2	Ecology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2019	7.00	7.50	Q
		CC-4	Cell Biology	6	6	36	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2019			
		AECC-2	Bengali	9	2	18	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.00	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	8	6	48	2019			
	ZOOLOGY	SEC-1	Apiculture	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			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2020			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2020	8.00	8.00	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2020			
		DSE-2	Parasitology	9	6	54	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2021	9.25	9.25	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 : 7.96										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: **SUDIP MONDAL**Registration No. **201801034366** of 2018-19Roll No. **180331000113**

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			
	PHYSICS	GE-1	Mechanics	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	7.00	7.30	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2019	6.33	6.38	Q
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	7	6	42	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	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	8.33	8.31	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	10	6	60	2020	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	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 : 8.01										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: **SUJAN DEY**Registration No. **201801034367** of **2018-19**Roll No. **180331000114**

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	7.27	Q
		CC-2	Physical Chemistry-I	8	6	48	2018			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2019	9.00	8.20	Q
		CC-4	Organic Chemistry-II	9	6	54	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2019	9.00	8.92	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2019			
		CC-7	Organic Chemistry-III	9	6	54	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	10	6	60	2020	9.67	9.54	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2020			
		CC-10	Organic Chemistry - IV	10	6	60	2020			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2020	9.00	9.00	Q
		CC-12	Organic Chemistry-V	10	6	60	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.75	9.75	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2021			
		DSE-4	Inorganic Materials of Industrial Importance	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 : 8.83										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **SUJOY MONDAL**Registration No. **201801034368** of 2018-19Roll No. **180331000115**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	5.00	5.64	Q
		CC-2	Algebra	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	6.50	6.40	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2019			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	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	7.00	6.92	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	6	6	36	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 7.76										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: **SUKANYA MONDAL**Registration No. **201801034369** of **2018-19**Roll No. **180331000116**

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	7.55	Q
		CC-2	Ecology	7	6	42	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2018			
		AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	7.50	7.90	Q
		CC-4	Cell Biology	8	6	48	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2019			
		AECC-2	Bengali	10	2	20	2019			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2019	7.67	7.46	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	7	6	42	2019			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2020	8.67	8.69	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2020			
		CC-10	Immunology	9	6	54	2020			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2020	7.75	7.75	Q
		CC-12	Genetics	7	6	42	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	8.50	8.50	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2021			
		DSE-4	Endocrinology	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 : 7.99										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: SUMAN BADYAKAR

Registration No. 201801034370 of 2018-19

Roll No.180331000117

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	6.73	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2019	8.50	8.50	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	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	7	6	42	2019	7.33	7.38	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	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	8.33	8.54	Q
		CC-9	Multivariate Calculus	9	6	54	2020			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2020			
	PHYSICS	GE-4	Waves and Optics	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	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	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 : 8.54										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

GRADE CARD

Name: SUMANA GHOSH

Registration No. 201801034372 of 2018-19

Roll No.180331000119

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	5	6	30	2018	5.50	6.00	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	7	6	42	2018			
		AECC-1	Fundamentals of Environmental Studies	6	4	24	2018			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	6.50	6.70	Q
		CC-4	Cell Biology	6	6	36	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2019			
		AECC-2	Bengali	10	2	20	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	6.67	6.85	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	7	6	42	2019			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	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			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2020			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2020			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2020	7.75	7.75	Q
		CC-12	Genetics	8	6	48	2020			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2020			
		DSE-2	Parasitology	8	6	48	2020			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2021	8.75	8.75	Q
		CC-14	Evolutionary Biology	9	6	54	2021			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2021			
		DSE-4	Endocrinology	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 : 7.38										


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 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: SUMI DAS

Registration No. 201801034373 of 2018-19

Roll No.180331000120

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2018	5.50	5.64	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	MATHEMATICS	GE-1	Differential Calculus	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	7.00	6.40	Q
		CC-4	Organic Chemistry-II	7	6	42	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2019	7.00	7.08	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	5	2	10	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2020	8.33	8.23	Q
		CC-9	Inorganic Chemistry-III	8	6	48	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	8	2	16	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2020	8.75	8.75	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	9.50	9.50	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2021			
		DSE-4	Inorganic Materials of Industrial Importance	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 : 7.66										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: SURAJIT MONDAL

Registration No. 201801034374 of 2018-19

Roll No. 180331000121

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			
	MATHEMATICS	GE-1	Differential Calculus	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	8.50	7.30	Q
		CC-4	Organic Chemistry-II	9	6	54	2019			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2019	7.33	7.69	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2019			
		CC-7	Organic Chemistry-III	7	6	42	2019			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	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	8	6	48	2020	9.00	9.00	Q
		CC-12	Organic Chemistry-V	10	6	60	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.50	9.50	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2021			
		DSE-4	Inorganic Materials of Industrial Importance	9	6	54	2021			
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 : 8.28										


Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				Percentage of Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *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: **SUVAJIT GHOSH**Registration No. **201801034375** of 2018-19Roll No. **180331000122**

B.Sc. Honours in Mathematics (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	5.00	5.36	Q
		CC-2	Algebra	5	6	30	2019			
	PHYSICS	GE-1	Mechanics	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2019	6.50	7.00	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	10	2	20	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2019	6.00	6.31	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	8	6	48	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2019			
MATHEMATICS	SEC-1	Logic and Sets	10	2	20	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	9.50	9.50	Q
		CC-12	Mechanics I	9	6	54	2020			
	MATHEMATICS	DSE-1	Linear Programming	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	Project Work	10	6	60	2021			
		DSE-4	Mechanics II	10	6	60	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 : 7.73										


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 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: TANAGSU KUMAR DUTTA

Registration No. 201801034376 of 2018-19

Roll No.180331000123

B.Sc. Honours in Chemistry (CBCS)										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2018	5.50	5.36	Q
		CC-2	Physical Chemistry-I	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2019	7.00	6.70	Q
		CC-4	Organic Chemistry-II	6	6	36	2019			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2019			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2019	6.67	6.38	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2019			
		CC-7	Organic Chemistry-III	7	6	42	2019			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2019			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2019			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2020	8.00	8.00	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2020			
		CC-10	Organic Chemistry - IV	8	6	48	2020			
	MATHEMATICS	GE-4	Algebra	8	6	48	2020			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2020			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2020	9.00	9.00	Q
		CC-12	Organic Chemistry-V	10	6	60	2020			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2020			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2020			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2021	9.50	9.50	Q
		CC-14	Physical Chemistry-IV	10	6	60	2021			
	CHEMISTRY	DSE-3	Green 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 : 7.94							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.54										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

	Grade Point Norms				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: **TRISHAN GARAI**Registration No. **201801034377** of **2018-19**Roll No. **180331000124**

B.Sc. Honours in Physiology (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	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	7	6	42	2018	7.50	7.27	Q
		CC-2	Biological Physics and Enzymes	8	6	48	2018			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archeogoniatae)	7	6	42	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2018			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	8	6	48	2019	8.50	8.20	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2019			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2019	8.67	8.38	Q
		CC-6	Circulation	9	6	54	2019			
		CC-7	Functions of The Nervous System	9	6	54	2019			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2019			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2019			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2020	9.00	9.08	Q
		CC-9	Gastrointestinal Function	9	6	54	2020			
		CC-10	Respiration	9	6	54	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2020			
	PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20	2020			
V	PHYSIOLOGY	CC-11	Special Senses	10	6	60	2020	9.75	9.75	Q
		CC-12	Endocrinology	9	6	54	2020			
	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2020			
		DSE-2	Sports and Exercise Physiology	10	6	60	2020			
VI	PHYSIOLOGY	CC-13	Reproduction	10	6	60	2021	10.00	10.00	Q
		CC-14	Formation and Excretion of Urine	10	6	60	2021			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	10	6	60	2021			
		DSE-4	Toxicology	10	6	60	2021			
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 : 8.82										

Date of Publication of Result: 26.08.2021

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

Anindya Zoti Pal

Controller of the Examinations

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

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



THE UNIVERSITY OF BURDWAN

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

Name: TUSHAR MONDAL

Registration No. 201801034379 of 2018-19

Roll No.180331000125

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			
	ZOOLOGY	GE-1	Animal Diversity	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	6.00	6.10	Q
		CC-4	Morphology and Anatomy of Angiosperms	7	6	42	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	BOTANY	CC-5	Plant Ecology and Phytogeography	6	6	36	2019	5.67	5.92	Q
		CC-6	Plant Systematics	5	6	30	2019			
		CC-7	Economic Botany	6	6	36	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020			
	BOTANY	SEC-1	Agricultural Botany	5	2	10	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	7	6	42	2020	8.25	8.25	Q
		CC-12	Plant Metabolism	8	6	48	2020			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2020			
		DSE-2	Bioinformatics	9	6	54	2020			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2021	7.75	7.75	Q
		CC-14	Plant Biotechnology	7	6	42	2021			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2021			
		DSE-4	Industrial and Environmental Microbiology	7	6	42	2021			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.17							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.07										


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
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SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory 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
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	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		