



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : AAHELI BANERJEE

Roll No. 20034060001

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	8	6	48	2020	9.00	9.18	Q
		CC-2	Nutritional Aspect of Food Items	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.00	9.10	Q
		CC-4	Physiological Aspect of Nutrition	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.00	9.00	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	9	2	18	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	9.00	9.00	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	7	6	42	2022	6.25	6.25	Q
		CC-12	Medical Microbiology and Pathology	6	6	36	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	6	6	36	2022			
		DSE-2	Molecular Biology	6	6	36	2022			
		DSE-3	Nutraceutical and Functional Food	7	6	42	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	8	6	48	2023	7.50	7.50	Q
		DSE-3	Biostatistics and Bioinformatics	7	6	42	2023			
	NUTRITION	DSE-4	Food Spoilage and Food Preservation	8	6	48	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.06**CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.32**Letter Grade in  
CGPA : **A+**Result : **Q**

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : AASTHA GIRI

Roll No. 20034060002

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2021	6.00	6.45	Q
		CC-2	Ecology	7	6	42	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	ZOOLOGY	CC-3	Non-chordates II	5	6	30	2021	6.00	6.40	Q
		CC-4	Cell Biology	7	6	42	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2021			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2021			
III	ZOOLOGY	CC-5	Chordates	5	6	30	2021	5.67	6.00	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2021			
		CC-7	Fundamentals of Biochemistry	6	6	36	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2021			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	5	6	30	2022	7.00	6.92	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2022			
		CC-10	Immunology	8	6	48	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	6	6	36	2022			
ZOOLOGY	SEC-2	Medical Diagnostics	9	2	18	2022				
V	ZOOLOGY	CC-11	Molecular Biology	4	6	24	2022	4.50	4.50	Q
		CC-12	Genetics	5	6	30	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	4	6	24	2022			
		DSE-2	Parasitology	5	6	30	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	7	6	42	2023	5.50	5.50	Q
		CC-14	Evolutionary Biology	4	6	24	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	6	6	36	2023			
		DSE-4	Endocrinology	5	6	30	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>5.67</b>							<b>Letter Grade in CGPA : B</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>5.96</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage Conversion Formula:		
	Percentage	Grade Point	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : ADRIJA DE

Roll No. 20034060003

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	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	2020	9.00	9.09	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	9.00	Q
		CC-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.00	9.23	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021				
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	9.00	9.00	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2022	7.75	7.75	Q
		CC-12	Solid State Physics	9	6	54	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2022			
		DSE-2	Classical Dynamics	6	6	36	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2023	8.75	8.75	Q
		CC-14	Statistical Mechanics	9	6	54	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2023			
		DSE-4	Astronomy and Astrophysics	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.67</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.80</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : ADRIJA PAUL

Roll No. 20034060004

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	9	6	54	2020	8.50	9.00	Q
		CC-2	Physical Chemistry-I	8	6	48	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	10	6	60	2021	9.50	9.40	Q
		CC-4	Organic Chemistry-II	9	6	54	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2021	9.33	9.54	Q
		CC-6	Inorganic Chemistry-II	10	6	60	2021			
		CC-7	Organic Chemistry-III	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	10	2	20	2021			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2022	9.33	9.00	Q
		CC-9	Inorganic Chemistry-III	10	6	60	2022			
		CC-10	Organic Chemistry - IV	9	6	54	2022			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2022			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2022			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2022	8.50	8.50	Q
		CC-12	Organic Chemistry-V	9	6	54	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2022			
		DSE-2	Analytical Methods in Chemistry	8	6	48	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2023	8.50	8.50	Q
		CC-14	Physical Chemistry-IV	8	6	48	2023			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.89</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.99</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : AMRITA PALCHAUDHURI

Roll No. 20034060005

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	8.00	7.55	Q
		CC-2	Bacteriology	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	8	6	48	2021	8.50	8.30	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2021	7.67	7.54	Q
		CC-6	Cell Biology	7	6	42	2021			
		CC-7	Molecular Biology	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	7.67	7.62	Q
		CC-9	Environmental Microbiology	8	6	48	2022			
		CC-10	Food and Dairy Microbiology	7	6	42	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	6	6	36	2022	6.00	6.00	Q
		CC-12	Immunology	5	6	30	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2022			
		DSE-2	Instrumentation and Biotechniques	6	6	36	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	6	6	36	2023	7.00	7.00	Q
		CC-14	Recombinant DNA Technology	7	6	42	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2023			
		DSE-4	Plant Pathology	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.28</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.31</b>										


Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : ANKANA SAMADDAR

Roll No. 200340600006

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	8.00	7.82	Q
		CC-2	Bacteriology	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	8.50	8.70	Q
		CC-4	Virology	8	6	48	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2021	7.67	7.69	Q
		CC-6	Cell Biology	7	6	42	2021			
		CC-7	Molecular Biology	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	7	2	14	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	7	6	42	2022	7.00	7.31	Q
		CC-9	Environmental Microbiology	7	6	42	2022			
		CC-10	Food and Dairy Microbiology	7	6	42	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2022	6.25	6.25	Q
		CC-12	Immunology	6	6	36	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2022			
		DSE-2	Instrumentation and Biotechniques	5	6	30	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	5	6	30	2023	6.25	6.25	Q
		CC-14	Recombinant DNA Technology	7	6	42	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	7	6	42	2023			
		DSE-4	Plant Pathology	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.06</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.30</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage 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)

= (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 2023 UNDER CBCS**  
**GRADE CARD**

Name : ANTARA BASAK

Roll No. 20034060007

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	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	2020	9.00	9.09	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	10	6	60	2021	10.00	9.90	Q
		CC-4	Waves and Optics	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	8	6	48	2021	8.67	8.92	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2021				
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	9.00	8.77	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2022	8.25	8.25	Q
		CC-12	Solid State Physics	8	6	48	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2022			
		DSE-2	Classical Dynamics	7	6	42	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2023	8.25	8.25	Q
		CC-14	Statistical Mechanics	9	6	54	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2023			
		DSE-4	Astronomy and Astrophysics	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.83</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage 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)

\*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 2023 UNDER CBCS**  
**GRADE CARD**

Name : ARPITA GHOSH

Roll No. 20034060010

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	9	6	54	2020	9.50	9.55	Q
		CC-2	Physical Chemistry-I	10	6	60	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	10	6	60	2021	10.00	9.60	Q
		CC-4	Organic Chemistry-II	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2021	9.00	9.23	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2021			
		CC-7	Organic Chemistry-III	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2021			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2022	9.00	9.00	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2022			
		CC-10	Organic Chemistry - IV	9	6	54	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2022			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2022	7.75	7.75	Q
		CC-12	Organic Chemistry-V	8	6	48	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2022			
		DSE-2	Analytical Methods in Chemistry	6	6	36	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2023	8.75	8.75	Q
		CC-14	Physical Chemistry-IV	8	6	48	2023			
	CHEMISTRY	DSE-3	Green Chemistry	9	6	54	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.83</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.96</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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





**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : BARNINI PAL

Roll No. 20034060012

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	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	2020	8.50	8.64	Q
		CC-2	Algebra	9	6	54	2020			
	PHYSICS	GE-1	Mechanics	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2021	8.50	8.80	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	9.67	9.54	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	9	6	54	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2022	9.67	9.31	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2022	7.75	7.75	Q
		CC-12	Mechanics I	7	6	42	2022			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2022			
		DSE-2	Probability & Statistics	7	6	42	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2023	7.25	7.25	Q
		CC-14	Ring Theory and Linear Algebra II	4	6	24	2023			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2023			
		DSE-4	Mechanics II	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.44</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.56</b>										


Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : DEBASMITA MUKHERJEE

Roll No. 200340600014

Honours: GEOGRAPHY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	GEOGRAPHY	CC-1	Geotectonics and Geomorphology	7	6	42	2020	6.50	6.82	Q
		CC-2	Cartographic Techniques and Geological map study	6	6	36	2020			
	ECONOMICS	GE-1	Microeconomics	6	6	36	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	GEOGRAPHY	CC-3	Human Geography	8	6	48	2021	7.50	7.70	Q
		CC-4	Cartograms, Survey and Thematic Mapping	7	6	42	2021			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	GEOGRAPHY	CC-5	Climatology	8	6	48	2021	7.67	7.38	Q
		CC-6	Statistical Methods in Geography	7	6	42	2021			
		CC-7	Geography of India	8	6	48	2021			
	ECONOMICS	GE-3	Development Economics	6	6	36	2021			
GEOGRAPHY	SEC-1	Computer Basics and Computer Applications	9	2	18	2021				
IV	GEOGRAPHY	CC-8	Regional Planning and Development	9	6	54	2022	8.33	8.08	Q
		CC-9	Economic Geography	8	6	48	2022			
		CC-10	Environmental Geography	8	6	48	2022			
	MATHEMATICS	GE-4	Algebra	7	6	42	2022			
GEOGRAPHY	SEC-2	Field Work	9	2	18	2022				
V	GEOGRAPHY	CC-11	Research Methodology and Field Work	6	6	36	2022	6.50	6.50	Q
		CC-12	Remote Sensing and GIS	6	6	36	2022			
	GEOGRAPHY	DSE-1	Cultural and Settlement Geography	6	6	36	2022			
		DSE-2	Population Geography	8	6	48	2022			
VI	GEOGRAPHY	CC-13	Evolution of Geographical Thought	7	6	42	2023	8.25	8.25	Q
		CC-14	Disaster Management	8	6	48	2023			
	GEOGRAPHY	DSE-3	Resource Geography	9	6	54	2023			
		DSE-4	Soil and Bio Geography	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.50</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.46</b>										


Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : DEEPIKA HAZRA

Roll No. 200340600015

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	8.00	7.55	Q
		CC-2	Bacteriology	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	9.00	8.90	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2021	8.33	8.54	Q
		CC-6	Cell Biology	8	6	48	2021			
		CC-7	Molecular Biology	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.33	8.31	Q
		CC-9	Environmental Microbiology	9	6	54	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2022	7.75	7.75	Q
		CC-12	Immunology	7	6	42	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2022			
		DSE-2	Instrumentation and Biotechniques	7	6	42	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2023	8.25	8.25	Q
		CC-14	Recombinant DNA Technology	9	6	54	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	7	6	42	2023			
		DSE-4	Plant Pathology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.22</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.21</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage 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)

= (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 2023 UNDER CBCS**  
**GRADE CARD**

Name : DIPANJALI GHOSAL

Roll No. 200340600016

Honours: GEOGRAPHY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	GEOGRAPHY	CC-1	Geotectonics and Geomorphology	7	6	42	2020	7.00	7.64	Q
		CC-2	Cartographic Techniques and Geological map study	7	6	42	2020			
	ECONOMICS	GE-1	Microeconomics	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	GEOGRAPHY	CC-3	Human Geography	8	6	48	2021	8.00	8.30	Q
		CC-4	Cartograms, Survey and Thematic Mapping	8	6	48	2021			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	GEOGRAPHY	CC-5	Climatology	8	6	48	2021	8.00	8.00	Q
		CC-6	Statistical Methods in Geography	9	6	54	2021			
		CC-7	Geography of India	7	6	42	2021			
	ECONOMICS	GE-3	Development Economics	8	6	48	2021			
GEOGRAPHY	SEC-1	Computer Basics and Computer Applications	8	2	16	2021				
IV	GEOGRAPHY	CC-8	Regional Planning and Development	9	6	54	2022	8.67	9.00	Q
		CC-9	Economic Geography	9	6	54	2022			
		CC-10	Environmental Geography	8	6	48	2022			
	MATHEMATICS	GE-4	Algebra	10	6	60	2022			
GEOGRAPHY	SEC-2	Field Work	9	2	18	2022				
V	GEOGRAPHY	CC-11	Research Methodology and Field Work	8	6	48	2022	8.50	8.50	Q
		CC-12	Remote Sensing and GIS	8	6	48	2022			
	GEOGRAPHY	DSE-1	Cultural and Settlement Geography	9	6	54	2022			
		DSE-2	Population Geography	9	6	54	2022			
VI	GEOGRAPHY	CC-13	Evolution of Geographical Thought	8	6	48	2023	8.50	8.50	Q
		CC-14	Disaster Management	8	6	48	2023			
	GEOGRAPHY	DSE-3	Resource Geography	9	6	54	2023			
		DSE-4	Soil and Bio Geography	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.22</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.34</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage 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)





**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : HENA GHOSH

Roll No. 200340600017

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	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	2020	8.50	8.82	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	9.00	Q
		CC-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.00	9.15	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2021				
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	8.33	8.31	Q
		CC-9	Elements of Modern Physics	8	6	48	2022			
		CC-10	Analog Systems & Applications	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2022	7.00	7.00	Q
		CC-12	Solid State Physics	7	6	42	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2022			
		DSE-2	Classical Dynamics	5	6	30	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2023	7.50	7.50	Q
		CC-14	Statistical Mechanics	9	6	54	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2023			
		DSE-4	Astronomy and Astrophysics	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.06</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.28</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage Conversion Formula:		
	Percentage	Grade Point	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : HRIATIKA SEN

Roll No. 200340600018

Honours: GEOGRAPHY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	GEOGRAPHY	CC-1	Geotectonics and Geomorphology	7	6	42	2020	7.50	7.36	Q
		CC-2	Cartographic Techniques and Geological map study	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	6	6	36	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	GEOGRAPHY	CC-3	Human Geography	8	6	48	2021	8.00	8.00	Q
		CC-4	Cartograms, Survey and Thematic Mapping	8	6	48	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	GEOGRAPHY	CC-5	Climatology	8	6	48	2021	8.00	8.08	Q
		CC-6	Statistical Methods in Geography	8	6	48	2021			
		CC-7	Geography of India	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2021			
GEOGRAPHY	SEC-1	Computer Basics and Computer Applications	9	2	18	2021				
IV	GEOGRAPHY	CC-8	Regional Planning and Development	8	6	48	2022	8.33	8.54	Q
		CC-9	Economic Geography	9	6	54	2022			
		CC-10	Environmental Geography	8	6	48	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
GEOGRAPHY	SEC-2	Field Work	9	2	18	2022				
V	GEOGRAPHY	CC-11	Research Methodology and Field Work	8	6	48	2022	7.50	7.50	Q
		CC-12	Remote Sensing and GIS	7	6	42	2022			
	GEOGRAPHY	DSE-1	Cultural and Settlement Geography	7	6	42	2022			
		DSE-2	Population Geography	8	6	48	2022			
VI	GEOGRAPHY	CC-13	Evolution of Geographical Thought	6	6	36	2023	7.50	7.50	Q
		CC-14	Disaster Management	8	6	48	2023			
	GEOGRAPHY	DSE-3	Resource Geography	8	6	48	2023			
		DSE-4	Soil and Bio Geography	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.78</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.85</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : ISHANI DAS

Roll No. 20034060019

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	7.50	7.73	Q
		CC-2	Bacteriology	7	6	42	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	8	6	48	2021	8.50	8.60	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2021	9.00	8.54	Q
		CC-6	Cell Biology	9	6	54	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.33	8.54	Q
		CC-9	Environmental Microbiology	9	6	54	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	10	6	60	2022	9.75	9.75	Q
		CC-12	Immunology	10	6	60	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	10	6	60	2022			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2023	8.75	8.75	Q
		CC-14	Recombinant DNA Technology	9	6	54	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2023			
		DSE-4	Plant Pathology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.78</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.66</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : KAMALIKA MANNA

Roll No. 20034060020

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	8.50	8.55	Q
		CC-2	Bacteriology	9	6	54	2020			
	ZOOLOGY	GE-1	Animal Diversity	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	10	6	60	2021	9.50	9.30	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	10	6	60	2021	9.33	9.38	Q
		CC-6	Cell Biology	9	6	54	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	10	6	60	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2022	8.67	8.85	Q
		CC-9	Environmental Microbiology	9	6	54	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	10	2	20	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2022	9.00	9.00	Q
		CC-12	Immunology	9	6	54	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2022			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2023	8.75	8.75	Q
		CC-14	Recombinant DNA Technology	9	6	54	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2023			
		DSE-4	Plant Pathology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.94</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.97</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage 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)

= (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 2023 UNDER CBCS**  
**GRADE CARD**

Name : KANKANA HALDAR

Roll No. 20034060021

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	8.00	7.55	Q
		CC-2	Bacteriology	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	8.50	8.60	Q
		CC-4	Virology	8	6	48	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2021	9.00	9.00	Q
		CC-6	Cell Biology	9	6	54	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.33	8.31	Q
		CC-9	Environmental Microbiology	9	6	54	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2022	8.50	8.50	Q
		CC-12	Immunology	9	6	54	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2022			
		DSE-2	Instrumentation and Biotechniques	7	6	42	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	7	6	42	2023	8.25	8.25	Q
		CC-14	Recombinant DNA Technology	8	6	48	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2023			
		DSE-4	Plant Pathology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.44</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.38</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : **KOUSIKI GHOSH**Roll No. **20034060022**

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	7	6	42	2020	8.00	8.18	Q
		CC-2	Nutritional Aspect of Food Items	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.00	8.70	Q
		CC-4	Physiological Aspect of Nutrition	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.00	8.92	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	9.00	9.00	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	8	6	48	2022	8.50	8.50	Q
		CC-12	Medical Microbiology and Pathology	9	6	54	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	8	6	48	2022			
		DSE-2	Molecular Biology	9	6	54	2022			
		DSE-3	Nutraceutical and Functional Food	9	6	54	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	10	6	60	2023	9.75	9.75	Q
		DSE-3	Biostatistics and Bioinformatics	10	6	60	2023			
	NUTRITION	DSE-4	Food Spoilage and Food Preservation	10	6	60	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.94**Letter Grade in  
CGPA : **A+**Result : **Q**

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage Conversion Formula:		
	Percentage	Grade Point	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : **KOYEL MISHRA**Roll No. **20034060023**

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	8	6	48	2020	9.00	9.18	Q
		CC-2	Nutritional Aspect of Food Items	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.00	8.80	Q
		CC-4	Physiological Aspect of Nutrition	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.00	8.92	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	9.00	9.00	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	8	6	48	2022	7.25	7.25	Q
		CC-12	Medical Microbiology and Pathology	8	6	48	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	6	6	36	2022			
		DSE-2	Molecular Biology	7	6	42	2022			
		DSE-3	Nutraceutical and Functional Food	9	6	54	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	9	6	54	2023	8.75	8.75	Q
		NUTRITION	DSE-3	Biostatistics and Bioinformatics	7	6	42			
	NUTRITION		DSE-4	Food Spoilage and Food Preservation	10	6	60			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.65</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : **KOYENA DATTA**Roll No. **200340600024**

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	8	6	48	2020	8.50	8.64	Q
		CC-2	Nutritional Aspect of Food Items	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.00	8.80	Q
		CC-4	Physiological Aspect of Nutrition	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	10	6	60	2021	9.33	9.15	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	9.00	9.23	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	10	6	60	2022			
NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022				
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	8	6	48	2022	7.75	7.75	Q
		CC-12	Medical Microbiology and Pathology	8	6	48	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	7	6	42	2022			
		DSE-2	Molecular Biology	8	6	48	2022			
		DSE-3	Nutraceutical and Functional Food	7	6	42	2023			
NUTRITION	CC-14	Food Safety and Food Standard	8	6	48	2023				
VI	NUTRITION	DSE-3	Biostatistics and Bioinformatics	9	6	54	2023	8.25	8.25	Q
		DSE-4	Food Spoilage and Food Preservation	9	6	54	2023			
	NUTRITION	CC-13	Nutraceutical and Functional Food	7	6	42	2023			
		CC-14	Food Safety and Food Standard	8	6	48	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.56**Letter Grade in  
CGPA : **A+**Result : **Q**

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Grade Point Norms		Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	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 2023 UNDER CBCS**  
**GRADE CARD**

Name : LATA GHOSH

Roll No. 200340600026

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	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	2020	8.00	8.36	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2021	8.50	8.60	Q
		CC-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	8.67	9.00	Q
		CC-6	Thermal Physics	8	6	48	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021				
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	8.33	8.31	Q
		CC-9	Elements of Modern Physics	8	6	48	2022			
		CC-10	Analog Systems & Applications	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2022	5.50	5.50	Q
		CC-12	Solid State Physics	5	6	30	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2022			
		DSE-2	Classical Dynamics	4	6	24	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2023	5.25	5.25	Q
		CC-14	Statistical Mechanics	5	6	30	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	5	6	30	2023			
		DSE-4	Astronomy and Astrophysics	5	6	30	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.06</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.49</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory 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 Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	Percentage	Grade Point	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : MOUMITA DAS

Roll No. 200340600028

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	9	6	54	2020	9.00	8.64	Q
		CC-2	Nutritional Aspect of Food Items	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.00	8.50	Q
		CC-4	Physiological Aspect of Nutrition	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.00	8.69	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	8	6	48	2022	8.33	8.54	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	8	6	48	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	8	6	48	2022	7.50	7.50	Q
		CC-12	Medical Microbiology and Pathology	8	6	48	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	6	6	36	2022			
		DSE-2	Molecular Biology	8	6	48	2022			
		DSE-3	Nutraceutical and Functional Food	9	6	54	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	10	6	60	2023	9.50	9.50	Q
		DSE-3	Biostatistics and Bioinformatics	9	6	54	2023			
	NUTRITION	DSE-4	Food Spoilage and Food Preservation	10	6	60	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.67**CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.56**Letter Grade in  
CGPA : **A+**Result : **Q**

Date of Publication of Result : 25.08.2023

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

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage Conversion Formula:		
	Percentage	Grade Point	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : MOUPARNA GHOSH

Roll No. 20034060029

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	9	6	54	2020	9.50	9.18	Q
		CC-2	Nutritional Aspect of Food Items	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	10	6	60	2021	10.00	9.70	Q
		CC-4	Physiological Aspect of Nutrition	10	6	60	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.00	8.92	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	8	6	48	2022	8.33	8.54	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	8	6	48	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022				
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	7	6	42	2022	7.00	7.00	Q
		CC-12	Medical Microbiology and Pathology	7	6	42	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	7	6	42	2022			
		DSE-2	Molecular Biology	7	6	42	2022			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	7	6	42	2023	8.25	8.25	Q
		CC-14	Food Safety and Food Standard	9	6	54	2023			
	NUTRITION	DSE-3	Biostatistics and Bioinformatics	8	6	48	2023			
		DSE-4	Food Spoilage and Food Preservation	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.44</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.56</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : **MUNMUN DAS**Roll No. **200340600030**

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	7.50	7.27	Q
		CC-2	Bacteriology	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	8.50	8.60	Q
		CC-4	Virology	8	6	48	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2021	8.00	7.92	Q
		CC-6	Cell Biology	8	6	48	2021			
		CC-7	Molecular Biology	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	7	2	14	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	7.33	7.54	Q
		CC-9	Environmental Microbiology	7	6	42	2022			
		CC-10	Food and Dairy Microbiology	7	6	42	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	6	6	36	2022	6.00	6.00	Q
		CC-12	Immunology	6	6	36	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2022			
		DSE-2	Instrumentation and Biotechniques	5	6	30	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	7	6	42	2023	7.00	7.00	Q
		CC-14	Recombinant DNA Technology	7	6	42	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	7	6	42	2023			
		DSE-4	Plant Pathology	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.22</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.37</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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





**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : OLIVA ROY CHOWDHURY

Roll No. 20034060031

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	7	6	42	2020	8.00	8.64	Q
		CC-2	Nutritional Aspect of Food Items	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.00	8.40	Q
		CC-4	Physiological Aspect of Nutrition	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.00	8.92	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	9.00	9.23	Q
		CC-9	Community Nutrition and Epidemiology	10	6	60	2022			
		CC-10	Diet Therapy-II	8	6	48	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	10	6	60	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	7	6	42	2022	7.25	7.25	Q
		CC-12	Medical Microbiology and Pathology	7	6	42	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	7	6	42	2022			
		DSE-2	Molecular Biology	8	6	48	2022			
		CC-13	Nutraceutical and Functional Food	8	6	48	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	8	6	48	2023	8.25	8.25	Q
		NUTRITION	DSE-3	Biostatistics and Bioinformatics	8	6	48			
	NUTRITION		DSE-4	Food Spoilage and Food Preservation	9	6	54			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.33</b>								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.46</b>										


Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : PARAMITA CHAKRABORTY

Roll No. 200340600032

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	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	2020	9.50	8.64	Q
		CC-2	Mechanics	10	6	60	2020			
	MATHEMATICS	GE-1	Differential Calculus	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	9.00	Q
		CC-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	8.67	9.08	Q
		CC-6	Thermal Physics	8	6	48	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	10	2	20	2021				
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	8.67	8.54	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2022	6.25	6.25	Q
		CC-12	Solid State Physics	7	6	42	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2022			
		DSE-2	Classical Dynamics	4	6	24	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2023	7.25	7.25	Q
		CC-14	Statistical Mechanics	7	6	42	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2023			
		DSE-4	Astronomy and Astrophysics	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.94</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.11</b>										

Date of Publication of Result : 25.08.2023

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

Anindya Zohi Pal

Controller of Examinations

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : PAYEL MALICK

Roll No. 200340600033

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	7	6	42	2020	8.00	8.09	Q
		CC-2	Nutritional Aspect of Food Items	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.00	8.50	Q
		CC-4	Physiological Aspect of Nutrition	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.33	9.00	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
NUTRITION	SEC-1	Environment Management and Public Health	9	2	18	2021				
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	9.00	9.00	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022				
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	8	6	48	2022	7.75	7.75	Q
		CC-12	Medical Microbiology and Pathology	8	6	48	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	7	6	42	2022			
		DSE-2	Molecular Biology	8	6	48	2022			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	9	6	54	2023	9.00	9.00	Q
		CC-14	Food Safety and Food Standard	9	6	54	2023			
	NUTRITION	DSE-3	Biostatistics and Bioinformatics	8	6	48	2023			
		DSE-4	Food Spoilage and Food Preservation	10	6	60	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.67**CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.58**Letter Grade in  
CGPA : **A+**Result : **Q**

Date of Publication of Result : 25.08.2023

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

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

*Anindya Zohi Pal*

**Controller of Examinations**

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q – Qualified
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement 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 Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	Grade Point	Percentage	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : PINKI MURMU

Roll No. 200340600034

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	8	6	48	2020	8.50	8.64	Q
		CC-2	Nutritional Aspect of Food Items	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	8.50	8.50	Q
		CC-4	Physiological Aspect of Nutrition	8	6	48	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.00	8.69	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	8	6	48	2022	8.33	8.54	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	8	6	48	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	7	6	42	2022	6.75	6.75	Q
		CC-12	Medical Microbiology and Pathology	7	6	42	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	6	6	36	2022			
		DSE-2	Molecular Biology	7	6	42	2022			
		DSE-3	Nutraceutical and Functional Food	6	6	36	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	7	6	42	2023	7.00	7.00	Q
		NUTRITION	DSE-3	Biostatistics and Bioinformatics	7	6	42			
	NUTRITION		DSE-4	Food Spoilage and Food Preservation	8	6	48			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.01</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : POULAMI BHATTACHARJEE

Roll No. 200340600035

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	9	6	54	2020	9.00	9.00	Q
		CC-2	Physical Chemistry-I	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	10	6	60	2021	10.00	9.60	Q
		CC-4	Organic Chemistry-II	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2021	9.33	9.46	Q
		CC-6	Inorganic Chemistry-II	10	6	60	2021			
		CC-7	Organic Chemistry-III	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2021				
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2022	9.33	9.23	Q
		CC-9	Inorganic Chemistry-III	10	6	60	2022			
		CC-10	Organic Chemistry - IV	9	6	54	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2022				
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2022	8.25	8.25	Q
		CC-12	Organic Chemistry-V	10	6	60	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2022			
		DSE-2	Analytical Methods in Chemistry	8	6	48	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2023	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	8	6	48	2023			
	CHEMISTRY	DSE-3	Green Chemistry	9	6	54	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.06</b>							<b>Letter Grade in CGPA : O</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.08</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : POULAMI RAJAK

Roll No. 200340600036

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	8.00	7.82	Q
		CC-2	Bacteriology	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	8.50	8.60	Q
		CC-4	Virology	8	6	48	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2021	8.67	8.69	Q
		CC-6	Cell Biology	9	6	54	2021			
		CC-7	Molecular Biology	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.00	8.00	Q
		CC-9	Environmental Microbiology	8	6	48	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2022	6.50	6.50	Q
		CC-12	Immunology	6	6	36	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2022			
		DSE-2	Instrumentation and Biotechniques	6	6	36	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	7	6	42	2023	7.50	7.50	Q
		CC-14	Recombinant DNA Technology	7	6	42	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2023			
		DSE-4	Plant Pathology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.72</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.85</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : PRIYANKA GHOSH

Roll No. 200340600037

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	9	6	54	2020	9.50	9.09	Q
		CC-2	Ecology	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	ZOOLOGY	CC-3	Non-chordates II	10	6	60	2021	10.00	9.60	Q
		CC-4	Cell Biology	10	6	60	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2021	9.00	8.77	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2022	9.67	9.54	Q
		CC-9	Animal Physiology: Life Sustaining Systems	10	6	60	2022			
		CC-10	Immunology	10	6	60	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
	ZOOLOGY	SEC-2	Medical Diagnostics	10	2	20	2022			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2022	8.50	8.50	Q
		CC-12	Genetics	8	6	48	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2022			
		DSE-2	Parasitology	9	6	54	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2023	9.00	9.00	Q
		CC-14	Evolutionary Biology	8	6	48	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2023			
		DSE-4	Endocrinology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.17</b>							<b>Letter Grade in CGPA : O</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.07</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : PUJA CHATTERJEE

Roll No. 200340600038

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	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	2020	8.50	8.09	Q
		CC-2	Algebra	9	6	54	2020			
	PHYSICS	GE-1	Mechanics	6	6	36	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2021	8.50	8.80	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.54	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	9.67	9.08	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2022	6.75	6.75	Q
		CC-12	Mechanics I	6	6	36	2022			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2022			
		DSE-2	Probability & Statistics	7	6	42	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2023	7.25	7.25	Q
		CC-14	Ring Theory and Linear Algebra II	4	6	24	2023			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2023			
		DSE-4	Mechanics II	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.28</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.27</b>										

Date of Publication of Result : 25.08.2023


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

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

Anindya Zohi Pal

Controller of Examinations

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

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





**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : RAMPITA SARKAR

Roll No. 200340600039

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	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	2020	8.50	8.73	Q
		CC-2	Physical Chemistry-I	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2021	9.00	9.00	Q
		CC-4	Organic Chemistry-II	9	6	54	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2021	8.33	8.77	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2021			
		CC-7	Organic Chemistry-III	8	6	48	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2021				
IV	CHEMISTRY	CC-8	Physical Chemistry-III	7	6	42	2022	8.00	8.31	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2022			
		CC-10	Organic Chemistry - IV	8	6	48	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2022			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2022	5.75	5.75	Q
		CC-12	Organic Chemistry-V	6	6	36	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	4	6	24	2022			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	6	6	36	2023	7.00	7.00	Q
		CC-14	Physical Chemistry-IV	5	6	30	2023			
	CHEMISTRY	DSE-3	Green Chemistry	7	6	42	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.50</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.90</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : RIDDHI MUKHOPADHYAY

Roll No. 200340600040

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	8.00	7.82	Q
		CC-2	Bacteriology	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	9.00	8.90	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2021	8.33	8.23	Q
		CC-6	Cell Biology	8	6	48	2021			
		CC-7	Molecular Biology	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.00	8.00	Q
		CC-9	Environmental Microbiology	8	6	48	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2022	6.75	6.75	Q
		CC-12	Immunology	7	6	42	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2022			
		DSE-2	Instrumentation and Biotechniques	6	6	36	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	6	6	36	2023	6.25	6.25	Q
		CC-14	Recombinant DNA Technology	5	6	30	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	7	6	42	2023			
		DSE-4	Plant Pathology	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.50</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.63</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : RIFA YASMIN

Roll No. 200340600041

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	9	6	54	2020	9.50	9.18	Q
		CC-2	Nutritional Aspect of Food Items	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	10	6	60	2021	10.00	9.10	Q
		CC-4	Physiological Aspect of Nutrition	10	6	60	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	10	6	60	2021	9.67	9.15	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	9.00	9.23	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	10	6	60	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	8	6	48	2022	7.25	7.25	Q
		CC-12	Medical Microbiology and Pathology	7	6	42	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	7	6	42	2022			
		DSE-2	Molecular Biology	7	6	42	2022			
		CC-13	Nutraceutical and Functional Food	7	6	42	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	9	6	54	2023	8.00	8.00	Q
		NUTRITION	DSE-3	Biostatistics and Bioinformatics	8	6	48			
	NUTRITION		DSE-4	Food Spoilage and Food Preservation	8	6	48			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.67</b>								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.65</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Grade Point Norms		Percentage 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	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : RIMPA MONDAL

Roll No. 20034060042

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2020	9.00	9.18	Q
		CC-2	Algebra	9	6	54	2020			
	PHYSICS	GE-1	Mechanics	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2021	9.00	9.10	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.69	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	10.00	9.54	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2022	7.50	7.50	Q
		CC-12	Mechanics I	8	6	48	2022			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2022			
		DSE-2	Probability & Statistics	7	6	42	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2023	7.25	7.25	Q
		CC-14	Ring Theory and Linear Algebra II	4	6	24	2023			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2023			
		DSE-4	Mechanics II	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.61</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.72</b>										


Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : RIYA GHOSH

Roll No. 200340600043

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	9	6	54	2020	8.50	8.18	Q
		CC-2	Bacteriology	8	6	48	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	9.00	9.00	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	10	6	60	2021	9.33	9.23	Q
		CC-6	Cell Biology	9	6	54	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2022	9.00	9.00	Q
		CC-9	Environmental Microbiology	9	6	54	2022			
		CC-10	Food and Dairy Microbiology	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2022	8.50	8.50	Q
		CC-12	Immunology	8	6	48	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2022			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2023	8.25	8.25	Q
		CC-14	Recombinant DNA Technology	8	6	48	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2023			
		DSE-4	Plant Pathology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.70</b>										

Date of Publication of Result : 25.08.2023


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

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : RUMELA KUNDU

Roll No. 200340600044

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	8	6	48	2020	8.50	8.73	Q
		CC-2	Nutritional Aspect of Food Items	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.00	8.50	Q
		CC-4	Physiological Aspect of Nutrition	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	8.67	8.46	Q
		CC-6	Nutrition: Life Cycle Approach	8	6	48	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	8	6	48	2022	8.00	8.31	Q
		CC-9	Community Nutrition and Epidemiology	8	6	48	2022			
		CC-10	Diet Therapy-II	8	6	48	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	7	6	42	2022	6.25	6.25	Q
		CC-12	Medical Microbiology and Pathology	6	6	36	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	5	6	30	2022			
		DSE-2	Molecular Biology	7	6	42	2022			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	7	6	42	2023	7.50	7.50	Q
		CC-14	Food Safety and Food Standard	8	6	48	2023			
	NUTRITION	DSE-3	Biostatistics and Bioinformatics	7	6	42	2023			
		DSE-4	Food Spoilage and Food Preservation	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.78</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.94</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SAHELEE PAUL

Roll No. 200340600046

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	9	6	54	2020	9.00	9.27	Q
		CC-2	Physical Chemistry-I	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	10	6	60	2021	9.50	9.30	Q
		CC-4	Organic Chemistry-II	9	6	54	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2021	8.67	9.00	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2021			
		CC-7	Organic Chemistry-III	8	6	48	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2021				
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2022	9.33	9.23	Q
		CC-9	Inorganic Chemistry-III	10	6	60	2022			
		CC-10	Organic Chemistry - IV	9	6	54	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2022			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2022	8.75	8.75	Q
		CC-12	Organic Chemistry-V	9	6	54	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2022			
		DSE-2	Analytical Methods in Chemistry	8	6	48	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2023	9.25	9.25	Q
		CC-14	Physical Chemistry-IV	9	6	54	2023			
	CHEMISTRY	DSE-3	Green Chemistry	9	6	54	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.06</b>							<b>Letter Grade in CGPA : O</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.13</b>										


Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SANCHITA SARKAR

Roll No. 200340600048

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	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	2020	9.00	9.09	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	9.30	Q
		CC-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.33	9.46	Q
		CC-6	Thermal Physics	9	6	54	2021			
	PHYSICS	CC-7	Digital Systems and Applications	10	6	60	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
IV	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021	9.33	9.23	Q
		CC-8	Mathematical Physics-III	10	6	60	2022			
		CC-9	Elements of Modern Physics	9	6	54	2022			
	CC-10	Analog Systems & Applications	9	6	54	2022				
V	PHYSICS	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022	7.75	7.75	Q
		PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18			
	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2022			
		CC-12	Solid State Physics	8	6	48	2022			
VI	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2022	7.75	7.75	Q
		DSE-2	Classical Dynamics	5	6	30	2022			
	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2023			
		CC-14	Statistical Mechanics	8	6	48	2023			
PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2023	7.75	7.75	Q	
	DSE-4	Astronomy and Astrophysics	8	6	48	2023				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.76</b>										

Date of Publication of Result : 25.08.2023

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

Anindya Zohi Pal

Controller of Examinations

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

Grade Point Norms	Percentage 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 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : SANGITA DAS

Roll No. 200340600049

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	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	2020	8.50	8.82	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	9.30	Q
		CC-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.00	9.23	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021				
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	8.67	8.54	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2022	6.00	6.00	Q
		CC-12	Solid State Physics	6	6	36	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2022			
		DSE-2	Classical Dynamics	4	6	24	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2023	5.50	5.50	Q
		CC-14	Statistical Mechanics	6	6	36	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	4	6	24	2023			
		DSE-4	Astronomy and Astrophysics	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.44</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.87</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory 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 Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	Grade Point	Percentage	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SARASWATI BASAK

Roll No. 200340600050

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	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	2020	5.00	6.82	Q
		CC-2	Algebra	6	6	36	2020			
	PHYSICS	GE-1	Mechanics	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2021	7.50	8.00	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	9.67	9.31	Q
		CC-6	Group Theory I	9	6	54	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	10.00	9.77	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2022	8.00	8.00	Q
		CC-12	Mechanics I	7	6	42	2022			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2022			
		DSE-2	Probability & Statistics	9	6	54	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2023	7.50	7.50	Q
		CC-14	Ring Theory and Linear Algebra II	5	6	30	2023			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2023			
		DSE-4	Mechanics II	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.11</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.30</b>										

Date of Publication of Result : 25.08.2023


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

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

Anindya Zohi Pal

Controller of Examinations

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SHIBANGEE ADHIKARY

Roll No. 20034060052

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	9	6	54	2020	9.00	8.91	Q
		CC-2	Nutritional Aspect of Food Items	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	10	6	60	2021	10.00	9.70	Q
		CC-4	Physiological Aspect of Nutrition	10	6	60	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	10	6	60	2021	9.67	9.23	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	9	2	18	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	8	6	48	2022	8.33	8.54	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	8	6	48	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	8	6	48	2022	7.50	7.50	Q
		CC-12	Medical Microbiology and Pathology	8	6	48	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	6	6	36	2022			
		DSE-2	Molecular Biology	8	6	48	2022			
		CC-13	Nutraceutical and Functional Food	8	6	48	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	9	6	54	2023	8.00	8.00	Q
		NUTRITION	DSE-3	Biostatistics and Bioinformatics	7	6	42			
	DSE-4		Food Spoilage and Food Preservation	8	6	48	2023			
	CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>									
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.62</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SHILPA MONDAL

Roll No. 20034060053

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	8.50	8.18	Q
		CC-2	Bacteriology	9	6	54	2020			
	ZOOLOGY	GE-1	Animal Diversity	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	9.00	8.90	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2021	8.33	8.08	Q
		CC-6	Cell Biology	8	6	48	2021			
		CC-7	Molecular Biology	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.00	8.31	Q
		CC-9	Environmental Microbiology	8	6	48	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2022	7.00	7.00	Q
		CC-12	Immunology	7	6	42	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2022			
		DSE-2	Instrumentation and Biotechniques	6	6	36	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	7	6	42	2023	6.75	6.75	Q
		CC-14	Recombinant DNA Technology	6	6	36	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	6	6	36	2023			
		DSE-4	Plant Pathology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.72</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.85</b>										


Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SHINJINI SIL

Roll No. 200340600054

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	9	6	54	2020	9.00	8.91	Q
		CC-2	Nutritional Aspect of Food Items	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.00	8.70	Q
		CC-4	Physiological Aspect of Nutrition	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.00	8.69	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	8	6	48	2022	8.67	8.77	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	7	6	42	2022	7.25	7.25	Q
		CC-12	Medical Microbiology and Pathology	8	6	48	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	6	6	36	2022			
		DSE-2	Molecular Biology	8	6	48	2022			
		DSE-3	Nutraceutical and Functional Food	8	6	48	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	9	6	54	2023	8.50	8.50	Q
		DSE-3	Biostatistics and Bioinformatics	7	6	42	2023			
	NUTRITION	DSE-4	Food Spoilage and Food Preservation	10	6	60	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.44**Letter Grade in  
CGPA : **A+**Result : **Q**

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SNEHA CHAKRABORTY

Roll No. 200340600055

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	8	6	48	2020	9.00	8.91	Q
		CC-2	Nutritional Aspect of Food Items	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.50	8.80	Q
		CC-4	Physiological Aspect of Nutrition	10	6	60	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.00	8.69	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	8.67	9.08	Q
		CC-9	Community Nutrition and Epidemiology	8	6	48	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	10	6	60	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	10	2	20	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	6	6	36	2022	5.50	5.50	Q
		CC-12	Medical Microbiology and Pathology	5	6	30	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	5	6	30	2022			
		DSE-2	Molecular Biology	6	6	36	2022			
		CC-13	Nutraceutical and Functional Food	7	6	42	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	7	6	42	2023	7.25	7.25	Q
		NUTRITION	DSE-3	Biostatistics and Bioinformatics	6	6	36			
	NUTRITION		DSE-4	Food Spoilage and Food Preservation	9	6	54			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.03</b>										

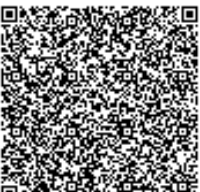
Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SOHINI ADHIKARY

Roll No. 200340600056

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	7.00	6.00	Q
		CC-2	Bacteriology	7	6	42	2020			
	ZOOLOGY	GE-1	Animal Diversity	4	6	24	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	8	6	48	2021	8.00	8.00	Q
		CC-4	Virology	8	6	48	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2021	7.33	7.54	Q
		CC-6	Cell Biology	7	6	42	2021			
		CC-7	Molecular Biology	7	6	42	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	7	6	42	2022	7.00	7.31	Q
		CC-9	Environmental Microbiology	7	6	42	2022			
		CC-10	Food and Dairy Microbiology	7	6	42	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2022			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	6	6	36	2022	5.75	5.75	Q
		CC-12	Immunology	6	6	36	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	6	6	36	2022			
		DSE-2	Instrumentation and Biotechniques	5	6	30	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	5	6	30	2023	5.75	5.75	Q
		CC-14	Recombinant DNA Technology	6	6	36	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	6	6	36	2023			
		DSE-4	Plant Pathology	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.61</b>							<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.72</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SOMASREE SARKAR

Roll No. 200340600057

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	9	6	54	2020	9.50	9.73	Q
		CC-2	Nutritional Aspect of Food Items	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	10	6	60	2021	10.00	9.90	Q
		CC-4	Physiological Aspect of Nutrition	10	6	60	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	10	6	60	2021	10.00	9.69	Q
		CC-6	Nutrition: Life Cycle Approach	10	6	60	2021			
		CC-7	Diet Therapy - I	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
NUTRITION	SEC-1	Environment Management and Public Health	9	2	18	2021				
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	10	6	60	2022	10.00	10.00	Q
		CC-9	Community Nutrition and Epidemiology	10	6	60	2022			
		CC-10	Diet Therapy-II	10	6	60	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	10	6	60	2022			
NUTRITION	SEC-2	Immunology, Toxicology and Public Health	10	2	20	2022				
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	8	6	48	2022	8.25	8.25	Q
		CC-12	Medical Microbiology and Pathology	9	6	54	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	8	6	48	2022			
		DSE-2	Molecular Biology	8	6	48	2022			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	9	6	54	2023	9.50	9.50	Q
		CC-14	Food Safety and Food Standard	9	6	54	2023			
	NUTRITION	DSE-3	Biostatistics and Bioinformatics	10	6	60	2023			
		DSE-4	Food Spoilage and Food Preservation	10	6	60	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.44</b>							<b>Letter Grade in CGPA : O</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.51</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Grade Point Norms		Percentage 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	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)





**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SWAITA BISWAS

Roll No. 200340600058

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	10	6	60	2020	10.00	9.73	Q
		CC-2	Nutritional Aspect of Food Items	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	10	6	60	2021	10.00	9.90	Q
		CC-4	Physiological Aspect of Nutrition	10	6	60	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	10	6	60	2021	10.00	9.23	Q
		CC-6	Nutrition: Life Cycle Approach	10	6	60	2021			
		CC-7	Diet Therapy - I	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2021			
NUTRITION	SEC-1	Environment Management and Public Health	9	2	18	2021				
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	9.33	9.54	Q
		CC-9	Community Nutrition and Epidemiology	10	6	60	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	10	6	60	2022			
NUTRITION	SEC-2	Immunology, Toxicology and Public Health	10	2	20	2022				
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	7	6	42	2022	7.50	7.50	Q
		CC-12	Medical Microbiology and Pathology	7	6	42	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	7	6	42	2022			
		DSE-2	Molecular Biology	9	6	54	2022			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	7	6	42	2023	7.50	7.50	Q
		CC-14	Food Safety and Food Standard	8	6	48	2023			
	NUTRITION	DSE-3	Biostatistics and Bioinformatics	6	6	36	2023			
		DSE-4	Food Spoilage and Food Preservation	9	6	54	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.78**CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.87**Letter Grade in  
CGPA : **A+**Result : **Q**

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

Controller of Examinations

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

Grade Point Norms	Grade Point Norms		Percentage 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	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SWARNALI BISWAS

Roll No. 200340600059

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	8	6	48	2020	8.50	8.45	Q
		CC-2	Nutritional Aspect of Food Items	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.00	8.50	Q
		CC-4	Physiological Aspect of Nutrition	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.00	8.69	Q
		CC-6	Nutrition: Life Cycle Approach	9	6	54	2021			
		CC-7	Diet Therapy - I	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
	NUTRITION	SEC-1	Environment Management and Public Health	8	2	16	2021			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	8.67	8.77	Q
		CC-9	Community Nutrition and Epidemiology	8	6	48	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	9	2	18	2022			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	7	6	42	2022	6.25	6.25	Q
		CC-12	Medical Microbiology and Pathology	6	6	36	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	5	6	30	2022			
		DSE-2	Molecular Biology	7	6	42	2022			
		DSE-3	Nutraceutical and Functional Food	9	6	54	2023			
VI	NUTRITION	CC-14	Food Safety and Food Standard	8	6	48	2023	8.00	8.00	Q
		NUTRITION	DSE-3	Biostatistics and Bioinformatics	6	6	36			
	NUTRITION		DSE-4	Food Spoilage and Food Preservation	9	6	54			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.06</b>								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.11</b>										

Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : SWARNALI HALDER

Roll No. 200340600060

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	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	2020	8.50	8.55	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	10	6	60	2021	9.50	9.30	Q
		CC-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.00	9.15	Q
		CC-6	Thermal Physics	8	6	48	2021			
		CC-7	Digital Systems and Applications	10	6	60	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2021				
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	9.00	8.69	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2022				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2022	7.00	7.00	Q
		CC-12	Solid State Physics	7	6	42	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2022			
		DSE-2	Classical Dynamics	4	6	24	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2023	6.50	6.50	Q
		CC-14	Statistical Mechanics	7	6	42	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2023			
		DSE-4	Astronomy and Astrophysics	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.00</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.18</b>										

Date of Publication of Result : 25.08.2023

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

Anindya Zohi Pal

Controller of Examinations

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

Grade Point Norms	Percentage 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 2023 UNDER CBCS**  
**GRADE CARD**

Name : SWATEE CHAKRABORTY

Roll No. 20034060061

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	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	2020	9.00	9.09	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.50	9.60	Q
		CC-4	Waves and Optics	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.33	9.46	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	10	6	60	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021			
IV	PHYSICS	CC-8	Mathematical Physics-III	10	6	60	2022	9.33	9.46	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2022			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2022	8.00	8.00	Q
		CC-12	Solid State Physics	9	6	54	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2022			
		DSE-2	Classical Dynamics	6	6	36	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2023	8.25	8.25	Q
		CC-14	Statistical Mechanics	9	6	54	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2023			
		DSE-4	Astronomy and Astrophysics	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.78</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.97</b>										


Date of Publication of Result : 25.08.2023

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : TIYASA BAZAL

Roll No. 20034060062

Honours: NUTRITION										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	NUTRITION	CC-1	Nutritional Physiology-I	8	6	48	2020	9.00	9.18	Q
		CC-2	Nutritional Aspect of Food Items	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	NUTRITION	CC-3	Nutritional Physiology-II	9	6	54	2021	9.50	9.70	Q
		CC-4	Physiological Aspect of Nutrition	10	6	60	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	10	6	60	2021			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2021			
III	NUTRITION	CC-5	Nutritional Biochemistry	9	6	54	2021	9.67	9.46	Q
		CC-6	Nutrition: Life Cycle Approach	10	6	60	2021			
		CC-7	Diet Therapy - I	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
NUTRITION	SEC-1	Environment Management and Public Health	9	2	18	2021				
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	9	6	54	2022	9.00	9.31	Q
		CC-9	Community Nutrition and Epidemiology	9	6	54	2022			
		CC-10	Diet Therapy-II	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	10	6	60	2022			
NUTRITION	SEC-2	Immunology, Toxicology and Public Health	10	2	20	2022				
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	8	6	48	2022	8.00	8.00	Q
		CC-12	Medical Microbiology and Pathology	8	6	48	2022			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	8	6	48	2022			
		DSE-2	Molecular Biology	8	6	48	2022			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	8	6	48	2023	8.00	8.00	Q
		CC-14	Food Safety and Food Standard	8	6	48	2023			
	NUTRITION	DSE-3	Biostatistics and Bioinformatics	8	6	48	2023			
		DSE-4	Food Spoilage and Food Preservation	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.93</b>										

Date of Publication of Result : 25.08.2023

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*Anindya Zohi Pal*

**Controller of Examinations**

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

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS**  
**GRADE CARD**

Name : TRISHA BERA

Roll No. 200340600063

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	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	2020	8.00	8.09	Q
		CC-2	Bacteriology	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	9.00	8.90	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2021	8.33	8.23	Q
		CC-6	Cell Biology	8	6	48	2021			
		CC-7	Molecular Biology	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.00	8.31	Q
		CC-9	Environmental Microbiology	8	6	48	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2022	7.00	7.00	Q
		CC-12	Immunology	7	6	42	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2022			
		DSE-2	Instrumentation and Biotechniques	6	6	36	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	7	6	42	2023	7.50	7.50	Q
		CC-14	Recombinant DNA Technology	7	6	42	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	7	6	42	2023			
		DSE-4	Plant Pathology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.99</b>										


Date of Publication of Result : 25.08.2023

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*Anindya Zohi Pal*

**Controller of Examinations**

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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)	