



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : **MANISH KUMAR MAHATO**Roll No. **180640510014**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	4	6	24	2018	5.00	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2020		
	MATHEMATICS	CC-3A	Differential Calculus	4	6	24	2018		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2018		
II	PHYSICS	CC-1B	Electricity and Magnetism	5	6	30	2019	4.70	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2021		
	MATHEMATICS	CC-3B	Differential Equations	4	6	24	2021		
	Communicative English/MIL	AECC-2	Communicative English	5	2	10	2019		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	5	6	30	2019	5.10	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2019		
	MATHEMATICS	CC-3C	Real Analysis	4	6	24	2019		
	MATHEMATICS	SEC-1	Logic and Sets	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	8	6	48	2021	7.40	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	7	6	42	2021		
	MATHEMATICS	SEC-2	Vector Calculus	8	2	16	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	6	6	36	2021	7.20	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	8	6	48	2021		
	PHYSICS	SEC-3	Computational Physics Skills	9	2	18	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	6	6	36	2022	SNC	SNC
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	7	6	42	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	NC	2	NC			
CGPA (Cumulative Grade Point Average) on the basis of All Courses :						<b>Letter Grade in CGPA :</b>	<b>Result : PNC</b>		


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : ADITYA KISHOR BHAGAT

Roll No. 190640510002

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	4	6	24	2019	4.45	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2019		
	MATHEMATICS	CC-3A	Differential Calculus	4	6	24	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	6	6	36	2020	6.50	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	6.60	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	6	6	36	2020		
	MATHEMATICS	SEC-1	Integral Calculus	6	2	12	2020		
IV	PHYSICS	CC-1D	Waves and Optics	8	6	48	2021	7.80	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	8	6	48	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	NC	6	NC		SNC	
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	6	6	36	2021		
	PHYSICS	SEC-3	Computational Physics Skills	NC	2	NC			
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	NC	6	NC		SNC	
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	NC	6	NC			
	MATHEMATICS	DSE-3B	Linear Programming	NC	6	NC			
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	NC	2	NC			
CGPA (Cumulative Grade Point Average) on the basis of All Courses :							<b>Letter Grade in CGPA :</b>	<b>Result : PNC</b>	


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : ANIKET BISWAS

Roll No. 190640510003

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	4	6	24	2019	4.73	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2019		
	MATHEMATICS	CC-3A	Differential Calculus	6	6	36	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	6	6	36	2020	6.40	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	6	6	36	2020	7.00	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	7	6	42	2020		
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020		
IV	PHYSICS	CC-1D	Waves and Optics	8	6	48	2021	8.10	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	9	6	54	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	5	6	30	2021	6.90	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	8	6	48	2021		
	PHYSICS	SEC-3	Computational Physics Skills	9	2	18	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	8	6	48	2022	8.30	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	8	6	48	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	8	2	16	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.87</b>						<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022

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

*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 [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
	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 GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : ANIRUDDHA DAS

Roll No. 190640510005

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1A	Animal Diversity	8	6	48	2019	6.82	Q
	BOTANY	CC-2A	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019		
	PHYSIOLOGY	CC-3A	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	7	6	42	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	ZOOLOGY	CC-1B	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020	8.10	Q
	BOTANY	CC-2B	Plant Ecology and Taxonomy	8	6	48	2020		
	PHYSIOLOGY	CC-3B	Digestion and Metabolism	8	6	48	2020		
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2020		
III	ZOOLOGY	CC-1C	Physiology and Biochemistry	9	6	54	2020	8.40	Q
	BOTANY	CC-2C	Plant Anatomy and Embryology	7	6	42	2020		
	PHYSIOLOGY	CC-3C	Respiratory and Cardiovascular Physiology	9	6	54	2020		
	PHYSIOLOGY	SEC-1	Pharmacology	9	2	18	2020		
IV	ZOOLOGY	CC-1D	Genetics and Evolutionary Biology	8	6	48	2021	8.70	Q
	BOTANY	CC-2D	Plant Physiology and Metabolism	9	6	54	2021		
	PHYSIOLOGY	CC-3D	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2021		
	BOTANY	SEC-2	Floriculture	9	2	18	2021		
V	ZOOLOGY	DSE-1A	Applied Zoology	9	6	54	2021	8.60	Q
	BOTANY	DSE-2A	Economic Botany and Biotechnology	9	6	54	2021		
	PHYSIOLOGY	DSE-3A	Muscle and Nerve Physiology	8	6	48	2021		
	PHYSIOLOGY	SEC-3	Microbiology	8	2	16	2021		
VI	ZOOLOGY	DSE-1B	Immunology	9	6	54	2022	9.00	Q
	BOTANY	DSE-2B	Dissertation	9	6	54	2022		
	PHYSIOLOGY	DSE-3B	Reproductive Physiology	9	6	54	2022		
	BOTANY	SEC-4	Mushroom Cultivation Technology	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.25</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022


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

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : ARGHAJIT GHOSH

Roll No. 190640510006

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	BOTANY	CC-1A	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019	7.18	Q
	ZOOLOGY	CC-2A	Animal Diversity	9	6	54	2019		
	PHYSIOLOGY	CC-3A	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	7	6	42	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019		
II	BOTANY	CC-1B	Plant Ecology and Taxonomy	8	6	48	2020	8.10	Q
	ZOOLOGY	CC-2B	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020		
	PHYSIOLOGY	CC-3B	Digestion and Metabolism	8	6	48	2020		
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020		
III	BOTANY	CC-1C	Plant Anatomy and Embryology	8	6	48	2020	8.80	Q
	ZOOLOGY	CC-2C	Physiology and Biochemistry	9	6	54	2020		
	PHYSIOLOGY	CC-3C	Respiratory and Cardiovascular Physiology	9	6	54	2020		
	PHYSIOLOGY	SEC-1	Pharmacology	10	2	20	2020		
IV	BOTANY	CC-1D	Plant Physiology and Metabolism	9	6	54	2021	9.30	Q
	ZOOLOGY	CC-2D	Genetics and Evolutionary Biology	9	6	54	2021		
	PHYSIOLOGY	CC-3D	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	10	6	60	2021		
	BOTANY	SEC-2	Floriculture	9	2	18	2021		
V	BOTANY	DSE-1A	Economic Botany and Biotechnology	9	6	54	2021	8.90	Q
	ZOOLOGY	DSE-2A	Applied Zoology	9	6	54	2021		
	PHYSIOLOGY	DSE-3A	Muscle and Nerve Physiology	9	6	54	2021		
	PHYSIOLOGY	SEC-3	Microbiology	8	2	16	2021		
VI	BOTANY	DSE-1B	Dissertation	9	6	54	2022	9.00	Q
	ZOOLOGY	DSE-2B	Immunology	9	6	54	2022		
	PHYSIOLOGY	DSE-3B	Reproductive Physiology	9	6	54	2022		
	BOTANY	SEC-4	Mushroom Cultivation Technology	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.52</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022

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

*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 [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
	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 GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : CHANDAN PAKHIRA

Roll No. 190640510007

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	5	6	30	2019	5.18	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2019		
	MATHEMATICS	CC-3A	Differential Calculus	6	6	36	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	7	6	42	2020	7.10	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	8.10	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2020		
	MATHEMATICS	CC-3C	Real Analysis	9	6	54	2020		
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	9	6	54	2021	8.80	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2021		
	MATHEMATICS	CC-3D	Algebra	9	6	54	2021		
	MATHEMATICS	SEC-2	Vector Calculus	10	2	20	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	7	6	42	2021	7.60	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	9	6	54	2021		
	MATHEMATICS	SEC-3	Probability and Statistics	7	2	14	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	9	6	54	2022	9.00	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	9	6	54	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.59</b>						<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	


Date of Publication of Result : 29.07.2022

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

*Anindya Zohi Pal*

**Controller of Examinations**

Course Type	CGPA Letter Grades				Result Codes
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DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : DILKASH NAAZ

Roll No. 190640510008

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	4	6	24	2019	5.18	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2019		
	MATHEMATICS	CC-3A	Differential Calculus	6	6	36	2020		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	6	6	36	2020	6.40	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	6.30	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	4	6	24	2020		
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	8	6	48	2021	7.40	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	7	6	42	2021		
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	7	6	42	2021	6.80	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	6	6	36	2021		
	PHYSICS	SEC-3	Computational Physics Skills	8	2	16	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	7	6	42	2022	7.60	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	7	6	42	2022		
	CHEMISTRY	SEC-4	Polymer Chemistry	7	2	14	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.59</b>						<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : DIVYA SHAW

Roll No. 190640510009

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	4	6	24	2019	5.27	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2019		
	MATHEMATICS	CC-3A	Differential Calculus	6	6	36	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	6	6	36	2020	6.50	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020		
	MATHEMATICS	CC-3B	Differential Equations	6	6	36	2020		
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	8	6	48	2020	7.50	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	8	6	48	2020		
	MATHEMATICS	SEC-1	Integral Calculus	6	2	12	2020		
IV	PHYSICS	CC-1D	Waves and Optics	8	6	48	2021	7.60	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	8	6	48	2021		
	MATHEMATICS	SEC-2	Vector Calculus	7	2	14	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	7	6	42	2021	7.70	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	8	6	48	2021		
	MATHEMATICS	DSE-3A	Matrices	8	6	48	2021		
	PHYSICS	SEC-3	Computational Physics Skills	8	2	16	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	9	6	54	2022	8.30	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	7	6	42	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	8	2	16	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.11</b>						<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		

Date of Publication of Result : 29.07.2022

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

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



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





**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : FARHIN KHATOON

Roll No. 190640510010

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1A	Animal Diversity	8	6	48	2019	7.09	Q
	BOTANY	CC-2A	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019		
	PHYSIOLOGY	CC-3A	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	7	6	42	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	ZOOLOGY	CC-1B	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020	8.60	Q
	BOTANY	CC-2B	Plant Ecology and Taxonomy	9	6	54	2020		
	PHYSIOLOGY	CC-3B	Digestion and Metabolism	9	6	54	2020		
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020		
III	ZOOLOGY	CC-1C	Physiology and Biochemistry	10	6	60	2020	9.10	Q
	BOTANY	CC-2C	Plant Anatomy and Embryology	8	6	48	2020		
	PHYSIOLOGY	CC-3C	Respiratory and Cardiovascular Physiology	9	6	54	2020		
	PHYSIOLOGY	SEC-1	Pharmacology	10	2	20	2020		
IV	ZOOLOGY	CC-1D	Genetics and Evolutionary Biology	9	6	54	2021	9.00	Q
	BOTANY	CC-2D	Plant Physiology and Metabolism	9	6	54	2021		
	PHYSIOLOGY	CC-3D	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2021		
	BOTANY	SEC-2	Floriculture	9	2	18	2021		
V	ZOOLOGY	DSE-1A	Applied Zoology	9	6	54	2021	9.30	Q
	BOTANY	DSE-2A	Economic Botany and Biotechnology	10	6	60	2021		
	PHYSIOLOGY	DSE-3A	Muscle and Nerve Physiology	9	6	54	2021		
	PHYSIOLOGY	SEC-3	Microbiology	9	2	18	2021		
VI	ZOOLOGY	DSE-1B	Immunology	9	6	54	2022	9.30	Q
	BOTANY	DSE-2B	Dissertation	9	6	54	2022		
	PHYSIOLOGY	DSE-3B	Reproductive Physiology	10	6	60	2022		
	BOTANY	SEC-4	Mushroom Cultivation Technology	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.70</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>	


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : HAMMAD AHMAD

Roll No. 190640510011

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	4	6	24	2019	5.27	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2019		
	MATHEMATICS	CC-3A	Differential Calculus	8	6	48	2020		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	6	6	36	2020	6.70	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Urdu	7	2	14	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	7.80	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	9	6	54	2020		
	CHEMISTRY	SEC-1	Analytical Clinical Biochemistry	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	9	6	54	2021	8.70	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2021		
	MATHEMATICS	CC-3D	Algebra	9	6	54	2021		
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	7	6	42	2021	7.80	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	8	6	48	2021		
	MATHEMATICS	DSE-3A	Matrices	8	6	48	2021		
	PHYSICS	SEC-3	Computational Physics Skills	9	2	18	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	8	6	48	2022	8.30	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	8	6	48	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	8	2	16	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.39</b>						<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : HRIK MONDAL

Roll No. 190640510012

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	5	6	30	2019	5.36	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2019		
	MATHEMATICS	CC-3A	Differential Calculus	4	6	24	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	7	6	42	2020	7.10	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	8.40	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020		
	MATHEMATICS	CC-3C	Real Analysis	9	6	54	2020		
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	9	6	54	2021	8.80	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2021		
	MATHEMATICS	CC-3D	Algebra	9	6	54	2021		
	MATHEMATICS	SEC-2	Vector Calculus	10	2	20	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	7	6	42	2021	7.60	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	8	6	48	2021		
	MATHEMATICS	DSE-3A	Matrices	8	6	48	2021		
	MATHEMATICS	SEC-3	Probability and Statistics	7	2	14	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	8	6	48	2022	8.60	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	10	6	60	2022		
	MATHEMATICS	DSE-3B	Linear Programming	8	6	48	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	8	2	16	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.61</b>						<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022

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

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



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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : ISHIKA BAIRAGI

Roll No. 190640510013

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1A	Animal Diversity	7	6	42	2019	6.09	Q
	BOTANY	CC-2A	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2019		
	PHYSIOLOGY	CC-3A	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	7	6	42	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019		
II	ZOOLOGY	CC-1B	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020	8.00	Q
	BOTANY	CC-2B	Plant Ecology and Taxonomy	8	6	48	2020		
	PHYSIOLOGY	CC-3B	Digestion and Metabolism	8	6	48	2020		
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020		
III	ZOOLOGY	CC-1C	Physiology and Biochemistry	9	6	54	2020	8.70	Q
	BOTANY	CC-2C	Plant Anatomy and Embryology	8	6	48	2020		
	PHYSIOLOGY	CC-3C	Respiratory and Cardiovascular Physiology	9	6	54	2020		
	PHYSIOLOGY	SEC-1	Pharmacology	9	2	18	2020		
IV	ZOOLOGY	CC-1D	Genetics and Evolutionary Biology	9	6	54	2021	9.00	Q
	BOTANY	CC-2D	Plant Physiology and Metabolism	9	6	54	2021		
	PHYSIOLOGY	CC-3D	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2021		
	BOTANY	SEC-2	Floriculture	9	2	18	2021		
V	ZOOLOGY	DSE-1A	Applied Zoology	9	6	54	2021	9.00	Q
	BOTANY	DSE-2A	Economic Botany and Biotechnology	10	6	60	2021		
	PHYSIOLOGY	DSE-3A	Muscle and Nerve Physiology	8	6	48	2021		
	PHYSIOLOGY	SEC-3	Microbiology	9	2	18	2021		
VI	ZOOLOGY	DSE-1B	Immunology	9	6	54	2022	9.30	Q
	BOTANY	DSE-2B	Dissertation	10	6	60	2022		
	PHYSIOLOGY	DSE-3B	Reproductive Physiology	9	6	54	2022		
	BOTANY	SEC-4	Mushroom Cultivation Technology	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.31</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022

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

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

*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 [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
	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 GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : KANAHA JHA

Roll No. 190640510014

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	5	6	30	2019	5.00	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2019		
	MATHEMATICS	CC-3A	Differential Calculus	5	6	30	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	7	6	42	2020	7.00	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	8	6	48	2020	6.90	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	5	6	30	2020		
	CHEMISTRY	SEC-1	Analytical Clinical Biochemistry	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	9	6	54	2021	7.80	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	7	6	42	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	6	6	36	2021	6.50	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	6	6	36	2021		
	CHEMISTRY	SEC-3	Basics & Application of Computer in Chemistry	8	2	16	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	8	6	48	2022	7.90	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	7	6	42	2022		
	MATHEMATICS	SEC-4	Transportation and Game Theory	7	2	14	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.82</b>						<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	





**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : KAUSHAR ALI

Roll No. 190640510015

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	5	6	30	2019	5.45	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2019		
	MATHEMATICS	CC-3A	Differential Calculus	6	6	36	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	6	6	36	2020	6.80	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	6.30	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2020		
	MATHEMATICS	CC-3C	Real Analysis	6	6	36	2020		
	MATHEMATICS	SEC-1	Integral Calculus	6	2	12	2020		
IV	PHYSICS	CC-1D	Waves and Optics	8	6	48	2021	7.80	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	8	6	48	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	6	6	36	2021	7.20	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	8	6	48	2021		
	PHYSICS	SEC-3	Computational Physics Skills	9	2	18	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	7	6	42	2022	7.70	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	7	6	42	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	8	2	16	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.85</b>						<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022


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

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : LAKSHMAN YADAV

Roll No. 190640510016

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	7	6	42	2020	6.82	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2019		
	MATHEMATICS	CC-3A	Differential Calculus	8	6	48	2020		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	6	6	36	2020	6.50	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	6.60	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	6	6	36	2020		
	MATHEMATICS	SEC-1	Integral Calculus	6	2	12	2020		
IV	PHYSICS	CC-1D	Waves and Optics	8	6	48	2021	7.80	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	8	6	48	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	7	6	42	2021	7.20	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	7	6	42	2021		
	PHYSICS	SEC-3	Computational Physics Skills	9	2	18	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	8	6	48	2022	8.00	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	7	6	42	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	8	2	16	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.15</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>	


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : MD IMRAN ANSARI

Roll No. 190640510017

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	4	6	24	2019	5.18	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2019		
	MATHEMATICS	CC-3A	Differential Calculus	6	6	36	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	7	6	42	2020	6.80	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Urdu	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	7.10	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	8	6	48	2020		
	MATHEMATICS	SEC-1	Integral Calculus	5	2	10	2020		
IV	PHYSICS	CC-1D	Waves and Optics	9	6	54	2021	8.40	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	9	6	54	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	7	6	42	2021	8.00	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	8	6	48	2021		
	MATHEMATICS	DSE-3A	Matrices	9	6	54	2021		
	PHYSICS	SEC-3	Computational Physics Skills	8	2	16	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	8	6	48	2022	8.60	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	9	6	54	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	8	2	16	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.31</b>						<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : MD. ABID KHAN

Roll No. 190640510018

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	4	6	24	2019	5.18	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2019		
	MATHEMATICS	CC-3A	Differential Calculus	6	6	36	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	7	6	42	2020	6.80	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	6.60	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	6	6	36	2020		
	MATHEMATICS	SEC-1	Integral Calculus	6	2	12	2020		
IV	PHYSICS	CC-1D	Waves and Optics	8	6	48	2021	7.80	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	8	6	48	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	6	6	36	2021	7.10	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	8	6	48	2021		
	PHYSICS	SEC-3	Computational Physics Skills	8	2	16	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	7	6	42	2022	7.70	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	7	6	42	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	8	2	16	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.84</b>						<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022


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

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : MOUSUMI SARKAR

Roll No. 190640510019

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	5	6	30	2019	5.18	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2019		
	MATHEMATICS	CC-3A	Differential Calculus	5	6	30	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	6	6	36	2020	6.50	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	6	6	36	2020	6.90	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	7	6	42	2020		
	CHEMISTRY	SEC-1	Analytical Clinical Biochemistry	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	8	6	48	2021	7.80	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	8	6	48	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	6	6	36	2021	7.10	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	8	6	48	2021		
	CHEMISTRY	SEC-3	Basics & Application of Computer in Chemistry	8	2	16	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	7	6	42	2022	7.10	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	6	6	36	2022		
	MATHEMATICS	SEC-4	Transportation and Game Theory	5	2	10	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.74</b>						<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022

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

*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 [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
	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 GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : **MUNMUN GHOSH**Roll No. **190640510020**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1A	Animal Diversity	8	6	48	2019	6.55	Q
	BOTANY	CC-2A	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019		
	PHYSIOLOGY	CC-3A	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	6	6	36	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	ZOOLOGY	CC-1B	Comparative Anatomy & Developmental Biology of Vertebrates	6	6	36	2020	7.30	Q
	BOTANY	CC-2B	Plant Ecology and Taxonomy	8	6	48	2020		
	PHYSIOLOGY	CC-3B	Digestion and Metabolism	8	6	48	2020		
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020		
III	ZOOLOGY	CC-1C	Physiology and Biochemistry	9	6	54	2020	8.40	Q
	BOTANY	CC-2C	Plant Anatomy and Embryology	7	6	42	2020		
	PHYSIOLOGY	CC-3C	Respiratory and Cardiovascular Physiology	9	6	54	2020		
	PHYSIOLOGY	SEC-1	Pharmacology	9	2	18	2020		
IV	ZOOLOGY	CC-1D	Genetics and Evolutionary Biology	9	6	54	2021	9.30	Q
	BOTANY	CC-2D	Plant Physiology and Metabolism	9	6	54	2021		
	PHYSIOLOGY	CC-3D	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	10	6	60	2021		
	BOTANY	SEC-2	Floriculture	9	2	18	2021		
V	ZOOLOGY	DSE-1A	Applied Zoology	9	6	54	2021	9.00	Q
	BOTANY	DSE-2A	Economic Botany and Biotechnology	10	6	60	2021		
	PHYSIOLOGY	DSE-3A	Muscle and Nerve Physiology	8	6	48	2021		
	PHYSIOLOGY	SEC-3	Microbiology	9	2	18	2021		
VI	ZOOLOGY	DSE-1B	Immunology	9	6	54	2022	9.00	Q
	BOTANY	DSE-2B	Dissertation	9	6	54	2022		
	PHYSIOLOGY	DSE-3B	Reproductive Physiology	9	6	54	2022		
	BOTANY	SEC-4	Mushroom Cultivation Technology	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.23</b>						<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022


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

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : NEHA PRAMANICK

Roll No. 190640510021

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1A	Animal Diversity	8	6	48	2019	6.55	Q
	BOTANY	CC-2A	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019		
	PHYSIOLOGY	CC-3A	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	6	6	36	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	ZOOLOGY	CC-1B	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2020	7.70	Q
	BOTANY	CC-2B	Plant Ecology and Taxonomy	8	6	48	2020		
	PHYSIOLOGY	CC-3B	Digestion and Metabolism	8	6	48	2020		
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020		
III	ZOOLOGY	CC-1C	Physiology and Biochemistry	9	6	54	2020	8.10	Q
	BOTANY	CC-2C	Plant Anatomy and Embryology	7	6	42	2020		
	PHYSIOLOGY	CC-3C	Respiratory and Cardiovascular Physiology	8	6	48	2020		
	PHYSIOLOGY	SEC-1	Pharmacology	9	2	18	2020		
IV	ZOOLOGY	CC-1D	Genetics and Evolutionary Biology	9	6	54	2021	9.00	Q
	BOTANY	CC-2D	Plant Physiology and Metabolism	9	6	54	2021		
	PHYSIOLOGY	CC-3D	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2021		
	BOTANY	SEC-2	Floriculture	9	2	18	2021		
V	ZOOLOGY	DSE-1A	Applied Zoology	9	6	54	2021	8.70	Q
	BOTANY	DSE-2A	Economic Botany and Biotechnology	9	6	54	2021		
	PHYSIOLOGY	DSE-3A	Muscle and Nerve Physiology	8	6	48	2021		
	PHYSIOLOGY	SEC-3	Microbiology	9	2	18	2021		
VI	ZOOLOGY	DSE-1B	Immunology	8	6	48	2022	8.70	Q
	BOTANY	DSE-2B	Dissertation	9	6	54	2022		
	PHYSIOLOGY	DSE-3B	Reproductive Physiology	9	6	54	2022		
	BOTANY	SEC-4	Mushroom Cultivation Technology	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.10</b>						<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : **POULOMI DUTTA**Roll No. **190640510022**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1A	Animal Diversity	8	6	48	2019	7.36	Q
	BOTANY	CC-2A	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2019		
	PHYSIOLOGY	CC-3A	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	7	6	42	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	ZOOLOGY	CC-1B	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020	8.40	Q
	BOTANY	CC-2B	Plant Ecology and Taxonomy	9	6	54	2020		
	PHYSIOLOGY	CC-3B	Digestion and Metabolism	9	6	54	2020		
	Communicative English/MIL	AECC-2	Bengali	6	2	12	2020		
III	ZOOLOGY	CC-1C	Physiology and Biochemistry	9	6	54	2020	8.80	Q
	BOTANY	CC-2C	Plant Anatomy and Embryology	8	6	48	2020		
	PHYSIOLOGY	CC-3C	Respiratory and Cardiovascular Physiology	9	6	54	2020		
	PHYSIOLOGY	SEC-1	Pharmacology	10	2	20	2020		
IV	ZOOLOGY	CC-1D	Genetics and Evolutionary Biology	9	6	54	2021	9.30	Q
	BOTANY	CC-2D	Plant Physiology and Metabolism	9	6	54	2021		
	PHYSIOLOGY	CC-3D	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	10	6	60	2021		
	BOTANY	SEC-2	Floriculture	9	2	18	2021		
V	ZOOLOGY	DSE-1A	Applied Zoology	9	6	54	2021	9.00	Q
	BOTANY	DSE-2A	Economic Botany and Biotechnology	10	6	60	2021		
	PHYSIOLOGY	DSE-3A	Muscle and Nerve Physiology	8	6	48	2021		
	PHYSIOLOGY	SEC-3	Microbiology	9	2	18	2021		
VI	ZOOLOGY	DSE-1B	Immunology	9	6	54	2022	9.60	Q
	BOTANY	DSE-2B	Dissertation	10	6	60	2022		
	PHYSIOLOGY	DSE-3B	Reproductive Physiology	10	6	60	2022		
	BOTANY	SEC-4	Mushroom Cultivation Technology	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.72</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022


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

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : **PREM KUMAR**Roll No. **190640510023**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	5	6	30	2019	5.45	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2019		
	MATHEMATICS	CC-3A	Differential Calculus	7	6	42	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	7	6	42	2020	6.70	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Hindi	7	2	14	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	6.90	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2020		
	MATHEMATICS	CC-3C	Real Analysis	7	6	42	2020		
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	9	6	54	2021	8.10	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	8	6	48	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	6	6	36	2021	7.40	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	9	6	54	2021		
	PHYSICS	SEC-3	Computational Physics Skills	8	2	16	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	7	6	42	2022	7.90	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	8	6	48	2022		
	MATHEMATICS	SEC-4	Transportation and Game Theory	7	2	14	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.05</b>						<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : PRITHA BISWAS

Roll No. 190640510024

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1A	Animal Diversity	7	6	42	2019	6.82	Q
	BOTANY	CC-2A	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019		
	PHYSIOLOGY	CC-3A	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	7	6	42	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	ZOOLOGY	CC-1B	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020	8.40	Q
	BOTANY	CC-2B	Plant Ecology and Taxonomy	9	6	54	2020		
	PHYSIOLOGY	CC-3B	Digestion and Metabolism	8	6	48	2020		
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2020		
III	ZOOLOGY	CC-1C	Physiology and Biochemistry	10	6	60	2020	9.10	Q
	BOTANY	CC-2C	Plant Anatomy and Embryology	8	6	48	2020		
	PHYSIOLOGY	CC-3C	Respiratory and Cardiovascular Physiology	9	6	54	2020		
	PHYSIOLOGY	SEC-1	Pharmacology	10	2	20	2020		
IV	ZOOLOGY	CC-1D	Genetics and Evolutionary Biology	10	6	60	2021	10.00	Q
	BOTANY	CC-2D	Plant Physiology and Metabolism	10	6	60	2021		
	PHYSIOLOGY	CC-3D	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	10	6	60	2021		
	BOTANY	SEC-2	Floriculture	10	2	20	2021		
V	ZOOLOGY	DSE-1A	Applied Zoology	9	6	54	2021	8.70	Q
	BOTANY	DSE-2A	Economic Botany and Biotechnology	9	6	54	2021		
	PHYSIOLOGY	DSE-3A	Muscle and Nerve Physiology	8	6	48	2021		
	PHYSIOLOGY	SEC-3	Microbiology	9	2	18	2021		
VI	ZOOLOGY	DSE-1B	Immunology	9	6	54	2022	9.00	Q
	BOTANY	DSE-2B	Dissertation	9	6	54	2022		
	PHYSIOLOGY	DSE-3B	Reproductive Physiology	9	6	54	2022		
	BOTANY	SEC-4	Mushroom Cultivation Technology	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.64</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>	


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	





**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : RIMI SARKAR

Roll No. 190640510026

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	4	6	24	2019	5.55	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2019		
	MATHEMATICS	CC-3A	Differential Calculus	8	6	48	2020		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	6	6	36	2020	6.00	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2020		
	MATHEMATICS	CC-3B	Differential Equations	6	6	36	2020		
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	6	6	36	2020	6.60	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	6	6	36	2020		
	CHEMISTRY	SEC-1	Analytical Clinical Biochemistry	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	9	6	54	2021	8.10	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	8	6	48	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	5	6	30	2021	6.80	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	7	6	42	2021		
	MATHEMATICS	DSE-3A	Matrices	8	6	48	2021		
	CHEMISTRY	SEC-3	Basics & Application of Computer in Chemistry	8	2	16	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	8	6	48	2022	7.90	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	7	6	42	2022		
	MATHEMATICS	SEC-4	Transportation and Game Theory	7	2	14	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.80</b>						<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : RITAM ROY

Roll No. 190640510027

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	ZOOLOGY	CC-1A	Animal Diversity	8	6	48	2019	6.55	Q
	BOTANY	CC-2A	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019		
	PHYSIOLOGY	CC-3A	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	6	6	36	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	ZOOLOGY	CC-1B	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020	8.00	Q
	BOTANY	CC-2B	Plant Ecology and Taxonomy	8	6	48	2020		
	PHYSIOLOGY	CC-3B	Digestion and Metabolism	8	6	48	2020		
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020		
III	ZOOLOGY	CC-1C	Physiology and Biochemistry	9	6	54	2020	8.70	Q
	BOTANY	CC-2C	Plant Anatomy and Embryology	8	6	48	2020		
	PHYSIOLOGY	CC-3C	Respiratory and Cardiovascular Physiology	9	6	54	2020		
	PHYSIOLOGY	SEC-1	Pharmacology	9	2	18	2020		
IV	ZOOLOGY	CC-1D	Genetics and Evolutionary Biology	9	6	54	2021	9.00	Q
	BOTANY	CC-2D	Plant Physiology and Metabolism	9	6	54	2021		
	PHYSIOLOGY	CC-3D	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2021		
	BOTANY	SEC-2	Floriculture	9	2	18	2021		
V	ZOOLOGY	DSE-1A	Applied Zoology	9	6	54	2021	8.70	Q
	BOTANY	DSE-2A	Economic Botany and Biotechnology	9	6	54	2021		
	PHYSIOLOGY	DSE-3A	Muscle and Nerve Physiology	8	6	48	2021		
	PHYSIOLOGY	SEC-3	Microbiology	9	2	18	2021		
VI	ZOOLOGY	DSE-1B	Immunology	8	6	48	2022	8.70	Q
	BOTANY	DSE-2B	Dissertation	9	6	54	2022		
	PHYSIOLOGY	DSE-3B	Reproductive Physiology	9	6	54	2022		
	BOTANY	SEC-4	Mushroom Cultivation Technology	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.25</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022


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

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : ROHIT RAM

Roll No. 190640510028

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	5	6	30	2019	6.00	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019		
	MATHEMATICS	CC-3A	Differential Calculus	6	6	36	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	7	6	42	2020	7.10	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	7	6	42	2020	7.50	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	8	6	48	2020		
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	9	6	54	2021	8.70	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2021		
	MATHEMATICS	CC-3D	Algebra	9	6	54	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	7	6	42	2021	7.90	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	8	6	48	2021		
	MATHEMATICS	DSE-3A	Matrices	9	6	54	2021		
	MATHEMATICS	SEC-3	Probability and Statistics	7	2	14	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	8	6	48	2022	8.60	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	9	6	54	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	8	2	16	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.61</b>						<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name : SAHIL SINGH

Roll No. 190640510029

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	4	6	24	2019	5.00	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019		
	MATHEMATICS	CC-3A	Differential Calculus	4	6	24	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	7	6	42	2020	7.00	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020		
	MATHEMATICS	CC-3B	Differential Equations	7	6	42	2020		
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	8	6	48	2020	8.40	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2020		
	MATHEMATICS	CC-3C	Real Analysis	9	6	54	2020		
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020		
IV	PHYSICS	CC-1D	Waves and Optics	9	6	54	2021	8.80	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2021		
	MATHEMATICS	CC-3D	Algebra	9	6	54	2021		
	MATHEMATICS	SEC-2	Vector Calculus	10	2	20	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	8	6	48	2021	8.30	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	8	6	48	2021		
	MATHEMATICS	DSE-3A	Matrices	9	6	54	2021		
	PHYSICS	SEC-3	Computational Physics Skills	8	2	16	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	9	6	54	2022	9.00	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	9	6	54	2022		
	MATHEMATICS	SEC-4	Transportation and Game Theory	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.70</b>						<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	

Date of Publication of Result : 29.07.2022

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

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





**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE GENERAL FINAL EXAMINATION 2022 UNDER CBCS**  
**GRADE CARD**

Name :SUKANYA PAL

Roll No. 190640510033

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of All Courses	Result Code
I	PHYSICS	CC-1A	Mechanics	5	6	30	2019	6.73	Q
	CHEMISTRY	CC-2A	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019		
	MATHEMATICS	CC-3A	Differential Calculus	8	6	48	2019		
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019		
II	PHYSICS	CC-1B	Electricity and Magnetism	7	6	42	2020	7.70	Q
	CHEMISTRY	CC-2B	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020		
	MATHEMATICS	CC-3B	Differential Equations	8	6	48	2020		
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2020		
III	PHYSICS	CC-1C	Thermal Physics and Statistical Mechanics	8	6	48	2020	7.40	Q
	CHEMISTRY	CC-2C	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2020		
	MATHEMATICS	CC-3C	Real Analysis	7	6	42	2020		
	MATHEMATICS	SEC-1	Integral Calculus	8	2	16	2020		
IV	PHYSICS	CC-1D	Waves and Optics	9	6	54	2021	8.10	Q
	CHEMISTRY	CC-2D	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2021		
	MATHEMATICS	CC-3D	Algebra	8	6	48	2021		
	MATHEMATICS	SEC-2	Vector Calculus	9	2	18	2021		
V	PHYSICS	DSE-1A	Elements of Modern Physics	8	6	48	2021	8.40	Q
	CHEMISTRY	DSE-2A	Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry	8	6	48	2021		
	MATHEMATICS	DSE-3A	Matrices	9	6	54	2021		
	PHYSICS	SEC-3	Computational Physics Skills	9	2	18	2021		
VI	PHYSICS	DSE-1B	Digital, Analog and Instrumentation	7	6	42	2022	8.10	Q
	CHEMISTRY	DSE-2B	Functional Group Organic Chemistry and Industrial Chemistry	9	6	54	2022		
	MATHEMATICS	DSE-3B	Linear Programming	8	6	48	2022		
	PHYSICS	SEC-4	Electrical Circuits and Network Skills	9	2	18	2022		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.72</b>						<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		


Date of Publication of Result : 29.07.2022

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

*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 [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
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	