



THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: AMARTYA MITRA

Honours: BOTANY

Roll No. 170310400009

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	8	6	48	2017	8.50	7.82	Q
		CC-2	Archegoniatae	9	6	54	2017			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	BOTANY	CC-3	Mycology and Phytopathology	10	6	60	2020	10.00	9.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	10	6	60	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2018	7.67	7.54	Q
		CC-6	Plant Systematics	7	6	42	2018			
		CC-7	Economic Botany	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2019			
BOTANY	SEC-1	Mushroom Culture Technology	8	2	16	2018				
IV	BOTANY	CC-8	Palaeobotany & Palynology	7	6	42	2019	7.67	7.46	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2019			
		CC-10	Molecular Biology	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
BOTANY	SEC-2	Biofertilizers	7	2	14	2019				
V	BOTANY	CC-11	Plant Physiology	9	6	54	2019	8.00	8.00	Q
		CC-12	Plant Metabolism	7	6	42	2019			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2019			
		DSE-2	Biostatistics	8	6	48	2019			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2020	8.75	8.75	Q
		CC-14	Plant Biotechnology	9	6	54	2020			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2020			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.33							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.15										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ATANU MONDAL

Honours: ELECTRONICS

Roll No. 170310400025

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ELECTRONICS	CC-1	Basic Circuit Theory and Network Analysis	8	6	48	2017	8.00	6.82	Q
		CC-2	Mathematics Foundation for Electronics	8	6	48	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ELECTRONICS	CC-3	Semiconductor Devices	8	6	48	2018	6.50	7.50	Q
		CC-4	Applied Physics	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ELECTRONICS	CC-5	Electronic Circuits	8	6	48	2018	7.00	6.85	Q
		CC-6	Digital Electronics and Verilog/VHDL	6	6	36	2018			
		CC-7	C Programming and Data Structures	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	ELECTRONICS	SEC-1	Design and Fabrication of Printed Circuit Boards	8	2	16	2018			
IV	ELECTRONICS	CC-8	Operational Amplifiers and Applications	7	6	42	2019	7.00	6.62	Q
		CC-9	Signals and Systems	7	6	42	2019			
		CC-10	Electronic Instrumentation	7	6	42	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	ELECTRONICS	SEC-2	Robotics	8	2	16	2019			
V	ELECTRONICS	CC-11	Microprocessors and Microcontrollers	7	6	42	2019	6.25	6.25	Q
		CC-12	Electromagnetics	6	6	36	2019			
	ELECTRONICS	DSE-1	Transmission Lines, Antenna and Wave Propagation	5	6	30	2019			
		DSE-2	Control Systems	7	6	42	2019			
VI	ELECTRONICS	CC-13	Communication Electronics	7	6	42	2020	7.75	7.75	Q
		CC-14	Photonics	7	6	42	2020			
	ELECTRONICS	DSE-3	Numerical Analysis	8	6	48	2020			
		DSE-4	Digital Signal Processing	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.06							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.94										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

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THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: TANMAY KR. PAL

Honours: BOTANY

Roll No. 170311000091

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	5	6	30	2017	4.50	5.64	Q
		CC-2	Archegoniatae	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	BOTANY	CC-3	Mycology and Phytopathology	4	6	24	2018	5.00	5.00	Q
		CC-4	Morphology and Anatomy of Angiosperms	6	6	36	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	4	6	24	2019			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	4	6	24	2018	5.00	4.92	Q
		CC-6	Plant Systematics	5	6	30	2018			
		CC-7	Economic Botany	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
BOTANY	SEC-1	Medicinal Botany	4	2	8	2018				
IV	BOTANY	CC-8	Palaeobotany & Palynology	5	6	30	2019	4.33	4.54	Q
		CC-9	Biomolecules and Cell Biology	4	6	24	2019			
		CC-10	Molecular Biology	4	6	24	2019			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	5	6	30	2019			
BOTANY	SEC-2	Floriculture	5	2	10	2019				
V	BOTANY	CC-11	Plant Physiology	5	6	30	2019	5.50	5.50	Q
		CC-12	Plant Metabolism	5	6	30	2019			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	6	6	36	2019			
		DSE-2	Natural Resource Management	6	6	36	2019			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2020	7.75	7.75	Q
		CC-14	Plant Biotechnology	8	6	48	2020			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2020			
		DSE-4	Horticulture Practices & Post-Harvest Technology	7	6	42	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.56							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.55										

Date of Publication of Result : 29.10.2020

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

Anindya Zoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

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THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SK RAJIB

Honours: BOTANY

Roll No. 170311000094

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	4	6	24	2017	4.00	4.64	Q
		CC-2	Archegoniatae	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	BOTANY	CC-3	Mycology and Phytopathology	6	6	36	2020	6.00	5.50	Q
		CC-4	Morphology and Anatomy of Angiosperms	6	6	36	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	4	6	24	2019			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	4	6	24	2018	4.33	4.77	Q
		CC-6	Plant Systematics	4	6	24	2018			
		CC-7	Economic Botany	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
BOTANY	SEC-1	Medicinal Botany	8	2	16	2019				
IV	BOTANY	CC-8	Palaeobotany & Palynology	4	6	24	2019	4.33	4.38	Q
		CC-9	Biomolecules and Cell Biology	5	6	30	2019			
		CC-10	Molecular Biology	4	6	24	2019			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	4	6	24	2019			
	BOTANY	SEC-2	Floriculture	6	2	12	2019			
V	BOTANY	CC-11	Plant Physiology	5	6	30	2019	5.50	5.50	Q
		CC-12	Plant Metabolism	5	6	30	2019			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	6	6	36	2019			
		DSE-2	Natural Resource Management	6	6	36	2019			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2020	8.25	8.25	Q
		CC-14	Plant Biotechnology	9	6	54	2020			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2020			
		DSE-4	Horticulture Practices & Post-Harvest Technology	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.61							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.49										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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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)

Percentage Conversion Formula:

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

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THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: MONALISA YASMIN

Honours: MATHEMATICS

Roll No. 170311100043

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	4.82	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	5.50	6.00	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2018	5.67	5.77	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	5.67	5.92	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	5.75	5.75	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	8	6	48	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.44							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.35										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

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THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: AKIBUL RAHAMAN SEKH

Honours: MATHEMATICS

Roll No. 170311200008

Semester No.	Subject	Course Code	Course Title	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	2017	5.50	5.45	Q
		CC-2	Algebra	7	6	42	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	8.00	8.10	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018			SNC
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	NA	6	NA				
MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	7.00	7.23	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2019			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2020			
MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters 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.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: **ROUNAK CHAKRABORTY**Honours: **MATHEMATICS**Roll No. **170311200094**

Semester No.	Subject	Course Code	Course Title	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	2017	4.00	5.27	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	6.00	6.70	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2019	5.33	5.38	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	4	6	24	2018			
MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2018				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	5.67	6.08	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ANWESHA GHOSH

Honours: NUTRITION

Roll No. 170311600026

Semester No.	Subject	Course Code	Course Title	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	5	6	30	2017	6.50	5.55	Q
		CC-2	Nutritional Aspect of Food Items	8	6	48	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	NUTRITION	CC-3	Nutritional Physiology-II	6	6	36	2018	6.50	7.10	Q
		CC-4	Physiological Aspect of Nutrition	7	6	42	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	NUTRITION	CC-5	Nutritional Biochemistry	5	6	30	2018	6.67	6.92	Q
		CC-6	Nutrition: Life Cycle Approach	8	6	48	2018			
		CC-7	Diet Therapy - I	7	6	42	2018			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2018			
	NUTRITION	SEC-1	Technology of Fruits and Vegetables	9	2	18	2018			
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	7	6	42	2019	7.00	7.00	Q
		CC-9	Community Nutrition and Epidemiology	7	6	42	2019			
		CC-10	Diet Therapy-II	7	6	42	2019			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	7	6	42	2019			
	NUTRITION	SEC-2	Immunology, Toxicology and Public Health	7	2	14	2019			
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	9	6	54	2019	7.50	7.50	Q
		CC-12	Medical Microbiology and Pathology	8	6	48	2019			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	7	6	42	2019			
		DSE-2	Molecular Biology	6	6	36	2019			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	9	6	54	2020	9.00	9.00	Q
		CC-14	Food Safety and Food Standard	9	6	54	2020			
	NUTRITION	DSE-3	Concept of Research and Health Management	10	6	60	2020			
		DSE-4	Food Spoilage and Food Preservation	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.39							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.20										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ARPITA MUKHERJEE

Honours: COMPUTER SCIENCE

Roll No. 170311600031

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	6.00	5.91	Q
		CC-2	Computer System Architecture	7	6	42	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2018	7.00	7.30	Q
		CC-4	Discrete Structure	7	6	42	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	5.67	5.77	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	5	6	30	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	6	6	36	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	6	2	12	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2019	6.00	6.00	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	7	6	42	2019			
	STATISTICS	GE-4	Applied Statistics	5	6	30	2019			
	COMPUTER SCIENCE	SEC-2	PHP Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.25	6.25	Q
		CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	6	6	36	2019			
		DSE-2	Numerical Methods	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.25	9.25	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Data Mining	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.83							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.72										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: **BENAZIR SULTANA**Honours: **ECONOMICS**Roll No. **170311600040**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ECONOMICS	CC-1	Introductory Microeconomics	5	6	30	2017	5.50	5.45	Q
		CC-2	Statistics-I	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ECONOMICS	CC-3	Introductory Macroeconomics	7	6	42	2018	6.00	6.50	Q
		CC-4	Mathematical Economics-I	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	ECONOMICS	CC-5	Intermediate Microeconomics	5	6	30	2018	5.67	5.77	Q
		CC-6	Intermediate Macroeconomics	5	6	30	2018			
		CC-7	Mathematical Economics -II	7	6	42	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	6	6	36	2018			
	ECONOMICS	SEC-1	Managerial Economics	6	2	12	2018			
IV	ECONOMICS	CC-8	Selected Features of Indian Economy	7	6	42	2020	5.67	6.00	Q
		CC-9	Statistics-II	5	6	30	2019			
		CC-10	Development Economics	5	6	30	2019			
	STATISTICS	GE-4	Applied Statistics	6	6	36	2019			
	ECONOMICS	SEC-2	Basic Computer Applications	9	2	18	2019			
V	ECONOMICS	CC-11	International Economics	4	6	24	2019	5.00	5.00	Q
		CC-12	Money and Banking	5	6	30	2019			
	ECONOMICS	DSE-1	Rural Development	6	6	36	2019			
		DSE-2	Public Economics	5	6	30	2019			
VI	ECONOMICS	CC-13	Basic Econometrics	9	6	54	2020	8.75	8.75	Q
		CC-14	Field Survey & Project Report	9	6	54	2020			
	ECONOMICS	DSE-3	Political Economy	8	6	48	2020			
		DSE-4	Financial Economics	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.22							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.24										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: LAKSHMI MALICK

Honours: ZOOLOGY

Roll No. 170311600070

Semester No.	Subject	Course Code	Course Title	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	2017	5.00	5.36	Q
		CC-2	Ecology	5	6	30	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	4	6	24	2018	6.00	6.00	Q
		CC-4	Cell Biology	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	5	6	30	2018	5.33	5.31	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	4	6	24	2018			
		CC-7	Fundamentals of Biochemistry	7	6	42	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	5	6	30	2018			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	4	6	24	2019	4.33	5.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	4	6	24	2019			
		CC-10	Immunology	5	6	30	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	6	6	36	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2019			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2019	5.75	5.75	Q
		CC-12	Genetics	5	6	30	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2019			
		DSE-2	Parasitology	6	6	36	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	7.75	7.75	Q
		CC-14	Evolutionary Biology	8	6	48	2020			
	ZOOLOGY	DSE-3	Wild life Conservation	8	6	48	2020			
		DSE-4	Endocrinology	6	6	36	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.83							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.85										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: MOYTRAYEE MANDI

Honours: ZOOLOGY

Roll No. 170311600086

Semester No.	Subject	Course Code	Course Title	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	2017	5.50	5.18	Q
		CC-2	Ecology	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	5	6	30	2018	5.00	5.80	Q
		CC-4	Cell Biology	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2018	5.33	5.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	4	6	24	2018			
		CC-7	Fundamentals of Biochemistry	6	6	36	2018			
	BOTANY	GE-3	Plant Anatomy and Embryology	4	6	24	2018			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	4	6	24	2019	4.67	5.54	Q
		CC-9	Animal Physiology: Life Sustaining Systems	4	6	24	2019			
		CC-10	Immunology	6	6	36	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2019			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2019	7.00	7.00	Q
		CC-12	Genetics	6	6	36	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2019			
		DSE-2	Parasitology	7	6	42	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.25	9.25	Q
		CC-14	Evolutionary Biology	10	6	60	2020			
	ZOOLOGY	DSE-3	Wild life Conservation	9	6	54	2020			
		DSE-4	Endocrinology	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.44							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.34										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: NARGISH SULTANA

Honours: COMPUTER SCIENCE

Roll No. 170311600089

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	4	6	24	2017	5.00	5.36	Q
		CC-2	Computer System Architecture	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2018	6.50	7.00	Q
		CC-4	Discrete Structure	8	6	48	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2018	6.00	6.08	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	5	6	30	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	6	6	36	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	7	2	14	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2019	5.67	6.23	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	6	6	36	2019			
	STATISTICS	GE-4	Applied Statistics	7	6	42	2019			
	COMPUTER SCIENCE	SEC-2	PHP Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.50	6.50	Q
		CC-12	Theory of Computation	6	6	36	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	6	6	36	2019			
		DSE-2	Numerical Methods	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.25	9.25	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Data Mining	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.72							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.73										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: OINDRILA ROY

Honours: COMPUTER SCIENCE

Roll No. 170311600096

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	4	6	24	2017	4.00	4.55	Q
		CC-2	Computer System Architecture	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2018	6.00	6.60	Q
		CC-4	Discrete Structure	7	6	42	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	5.67	5.62	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	5	6	30	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	7	2	14	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	6	6	36	2019	5.33	5.77	Q
		CC-9	Software Engineering	5	6	30	2019			
		CC-10	Database Management System	5	6	30	2019			
	STATISTICS	GE-4	Applied Statistics	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	PHP Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	7.00	7.00	Q
		CC-12	Theory of Computation	6	6	36	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
		DSE-2	Numerical Methods	8	6	48	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2020	9.00	9.00	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.50							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.42										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SAMATA GHOSH

Honours: COMPUTER SCIENCE

Roll No. 170311600132

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.00	4.91	Q
		CC-2	Computer System Architecture	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	6	6	36	2018	6.50	6.90	Q
		CC-4	Discrete Structure	7	6	42	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	5.67	5.46	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	5	6	30	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	5	2	10	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2019	6.00	6.15	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	7	6	42	2019			
	STATISTICS	GE-4	Applied Statistics	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	PHP Programming	8	2	16	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	6	6	36	2019	6.75	6.75	Q
		CC-12	Theory of Computation	7	6	42	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	6	6	36	2019			
		DSE-2	Numerical Methods	8	6	48	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2020	8.75	8.75	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.67							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.48										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SIDIKA BANU

Honours: MATHEMATICS

Roll No. 170311600155

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	5.00	5.45	Q
		CC-2	Algebra	6	6	36	2018			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	6.00	5.70	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA				SNC
		CC-6	Group Theory I	5	6	30	2019			
		CC-7	Numerical Methods	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	5.00	5.15	Q
		CC-9	Multivariate Calculus	6	6	36	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
MATHEMATICS	SEC-2	Graph Theory	4	2	8	2019				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	6.00	6.00	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Mechanics II	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: AMIT RABI DAS

Honours: COMPUTER SCIENCE

Roll No. 170311700001

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	6	6	36	2017	6.50	5.91	Q
		CC-2	Computer System Architecture	7	6	42	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	8	6	48	2020	7.00	7.10	Q
		CC-4	Discrete Structure	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Communicative English	5	2	10	2019			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2018	7.00	6.62	Q
		CC-6	Operating Systems	8	6	48	2018			
		CC-7	Computer Networks	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	6.67	6.46	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	7	6	42	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.75	6.75	Q
		CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	6	6	36	2019			
		DSE-2	Numerical Methods	9	6	54	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2020	9.00	9.00	Q
		CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.28							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.97										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ANUVAB GOSWAMI

Honours: COMPUTER SCIENCE

Roll No. 170311700003

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	4	6	24	2017	4.00	4.36	Q
		CC-2	Computer System Architecture	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2018	5.00	6.20	Q
		CC-4	Discrete Structure	5	6	30	2019			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	4	6	24	2018	4.67	4.77	Q
		CC-6	Operating Systems	5	6	30	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2019	6.00	5.77	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	7	6	42	2019			
	PHYSICS	GE-4	Waves and Optics	4	6	24	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.50	6.50	Q
		CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	6	6	36	2019			
		DSE-2	Numerical Methods	8	6	48	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2020	8.75	8.75	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.17							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.06										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: KALIDAS TUDU

Honours: COMPUTER SCIENCE

Roll No. 170311700012

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	4	6	24	2017	5.00	4.91	Q
		CC-2	Computer System Architecture	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2018	6.00	7.00	Q
		CC-4	Discrete Structure	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	5.00	4.92	Q
		CC-6	Operating Systems	5	6	30	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	7	2	14	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2019	6.33	6.46	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	8	6	48	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	6	6	36	2019	6.00	6.00	Q
		CC-12	Theory of Computation	4	6	24	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	5	6	30	2019			
		DSE-2	Numerical Methods	9	6	54	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2020	8.75	8.75	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.39							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.32										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: MOLLA ABDUL SOFIULLAH

Honours: COMPUTER SCIENCE

Roll No. 170311700015

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.50	5.18	Q
		CC-2	Computer System Architecture	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2018	6.50	7.30	Q
		CC-4	Discrete Structure	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	5.33	5.38	Q
		CC-6	Operating Systems	6	6	36	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	7	2	14	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	6	6	36	2019	6.67	6.69	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	8	6	48	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	6	6	36	2019	6.25	6.25	Q
		CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	5	6	30	2019			
		DSE-2	Numerical Methods	9	6	54	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.25	9.25	Q
		CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.78							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.66										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: MOUSAM ASH

Honours: COMPUTER SCIENCE

Roll No. 170311700017

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	6	6	36	2017	6.00	5.45	Q
		CC-2	Computer System Architecture	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2018	6.00	7.00	Q
		CC-4	Discrete Structure	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2018	6.00	5.92	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	7.00	7.00	Q
		CC-9	Software Engineering	7	6	42	2019			
		CC-10	Database Management System	7	6	42	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.00	6.00	Q
		CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	5	6	30	2019			
		DSE-2	Numerical Methods	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2020	10.00	10.00	Q
		CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
		DSE-4	Project Work / Dissertation	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.06							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.90										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: RATHIN GHOSH

Honours: COMPUTER SCIENCE

Roll No. 17031170022

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.00	4.91	Q
		CC-2	Computer System Architecture	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	6	6	36	2018	5.00	6.40	Q
		CC-4	Discrete Structure	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	5.67	5.69	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2019	5.33	5.77	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	6	6	36	2019	6.25	6.25	Q
		CC-12	Theory of Computation	6	6	36	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	5	6	30	2019			
		DSE-2	Numerical Methods	8	6	48	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2020	9.00	9.00	Q
		CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.33							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.34										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: RIJU MUKHERJEE

Honours: COMPUTER SCIENCE

Roll No. 170311700023

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	4	6	24	2017	4.50	4.64	Q
		CC-2	Computer System Architecture	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	6	6	36	2018	5.50	6.50	Q
		CC-4	Discrete Structure	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	5.67	5.62	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	7	2	14	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2019	5.67	5.77	Q
		CC-9	Software Engineering	5	6	30	2019			
		CC-10	Database Management System	7	6	42	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	5	6	30	2019	8.25	8.25	Q
		CC-12	Theory of Computation	NA	6	NA				
	COMPUTER SCIENCE	DSE-1	Microprocessors	5	6	30	2019			
		DSE-2	Numerical Methods	8	6	48	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	7	6	42	2020	8.25	8.25	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SHRABONI SARDAR

Honours: COMPUTER SCIENCE

Roll No. 170311700027

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	6	6	36	2017	6.50	5.55	Q
		CC-2	Computer System Architecture	7	6	42	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	8	6	48	2018	7.00	7.60	Q
		CC-4	Discrete Structure	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2018	6.00	5.92	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	6	6	36	2019	6.67	6.69	Q
		CC-9	Software Engineering	7	6	42	2019			
		CC-10	Database Management System	7	6	42	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.50	6.50	Q
		CC-12	Theory of Computation	6	6	36	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	6	6	36	2019			
		DSE-2	Numerical Methods	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2020	9.50	9.50	Q
		CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.17							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.94										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SK OMAR FARUK RAHAMAN

Honours: COMPUTER SCIENCE

Roll No. 170311700028

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.50	5.45	Q
		CC-2	Computer System Architecture	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2018	6.00	6.90	Q
		CC-4	Discrete Structure	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	5.00	5.46	Q
		CC-6	Operating Systems	5	6	30	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2019	6.00	6.23	Q
		CC-9	Software Engineering	7	6	42	2019			
		CC-10	Database Management System	6	6	36	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.25	6.25	Q
		CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	5	6	30	2019			
		DSE-2	Numerical Methods	8	6	48	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.00	9.00	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.50							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.54										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SUBHAJIT MUKHERJEE

Honours: COMPUTER SCIENCE

Roll No. 170311700031

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	6	6	36	2017	5.50	5.18	Q
		CC-2	Computer System Architecture	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	6	6	36	2018	5.00	6.30	Q
		CC-4	Discrete Structure	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	5.67	6.15	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	6	6	36	2019	7.00	6.92	Q
		CC-9	Software Engineering	7	6	42	2019			
		CC-10	Database Management System	8	6	48	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2019	7.50	7.50	Q
		CC-12	Theory of Computation	6	6	36	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
		DSE-2	Numerical Methods	9	6	54	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.00	9.00	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.94							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.87										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SUBHASIS PAL

Honours: COMPUTER SCIENCE

Roll No. 170311700032

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.50	5.45	Q
		CC-2	Computer System Architecture	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2018	6.50	7.20	Q
		CC-4	Discrete Structure	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2018	6.00	6.15	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	8.00	7.38	Q
		CC-9	Software Engineering	8	6	48	2019			
		CC-10	Database Management System	9	6	54	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2019	8.25	8.25	Q
		CC-12	Theory of Computation	8	6	48	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
		DSE-2	Numerical Methods	10	6	60	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.00	9.00	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.50							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.25										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ROHAN GUPTA

Honours: COMPUTER SCIENCE

Roll No. 170311800034

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.00	5.18	Q
		CC-2	Computer System Architecture	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2018	5.50	6.40	Q
		CC-4	Discrete Structure	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	6.33	5.69	Q
		CC-6	Operating Systems	8	6	48	2018			
		CC-7	Computer Networks	6	6	36	2018			
	ECONOMICS	GE-3	Development Economics	4	6	24	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	5	2	10	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	4	6	24	2019	5.00	5.46	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	5	6	30	2019			
	ECONOMICS	GE-4	Features of Indian Economy	6	6	36	2019			
	COMPUTER SCIENCE	SEC-2	PHP Programming	8	2	16	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2019	7.00	7.00	Q
		CC-12	Theory of Computation	6	6	36	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2019			
		DSE-2	Numerical Methods	6	6	36	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2020	9.50	9.50	Q
		CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Combinatorial Optimization	9	6	54	2020			
		DSE-4	Data Mining	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.72							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.54										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ABHIK DE

Honours: STATISTICS

Roll No. 170312200002

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	STATISTICS	CC-1	Descriptive Statistics	5	6	30	2017	5.50	5.18	Q
		CC-2	Probability and Probability Distributions-I	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	STATISTICS	CC-3	Mathematical Analysis	7	6	42	2020	5.50	5.60	Q
		CC-4	Probability and Probability Distributions-II	4	6	24	2018			
	ECONOMICS	GE-2	Macroeconomics	5	6	30	2019			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	STATISTICS	CC-5	Linear Algebra and Numerical Analysis	7	6	42	2018	6.67	6.15	Q
		CC-6	Demography and Vital Statistics	7	6	42	2018			
		CC-7	Statistical Computing Using C/C++ Programming	6	6	36	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2019			
IV	STATISTICS	SEC-1	Statistical Data Analysis Using R	8	2	16	2018	5.00	5.85	Q
		CC-8	Survey Sampling and Indian Official Statistics	7	6	42	2019			
		CC-9	Statistical Inference-I and Sampling Distributions	4	6	24	2019			
	CC-10	Time Series Analysis	4	6	24	2019				
V	STATISTICS	GE-4	Features of Indian Economy	8	6	48	2019	7.25	7.25	Q
		STATISTICS	SEC-2	Research Methodology	7	2	14			
	STATISTICS	CC-11	Statistical Inference - II	7	6	42	2019			
		CC-12	Linear Models	7	6	42	2019			
VI	STATISTICS	DSE-1	Statistical Quality Control	8	6	48	2019	8.50	8.50	Q
		DSE-2	Operations Research	7	6	42	2019			
	STATISTICS	CC-13	Design of Experiments	8	6	48	2020			
		CC-14	Multivariate Analysis and Nonparametric Methods	8	6	48	2020			
STATISTICS	DSE-3	Survival Analysis	8	6	48	2020	10	6	60	2020
	DSE-4	Project Work	10	6	60	2020				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.67							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.45										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SANGITA SARKAR

Honours: STATISTICS

Roll No. 170312200130

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	STATISTICS	CC-1	Descriptive Statistics	4	6	24	2017	5.00	5.36	Q
		CC-2	Probability and Probability Distributions-I	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	STATISTICS	CC-3	Mathematical Analysis	7	6	42	2020	5.50	5.50	Q
		CC-4	Probability and Probability Distributions-II	4	6	24	2018			
	ECONOMICS	GE-2	Macroeconomics	5	6	30	2018			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	STATISTICS	CC-5	Linear Algebra and Numerical Analysis	6	6	36	2018	5.67	5.38	Q
		CC-6	Demography and Vital Statistics	4	6	24	2018			
		CC-7	Statistical Computing Using C/C++ Programming	7	6	42	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
IV	STATISTICS	SEC-1	Statistical Data Analysis Using R	7	2	14	2018	4.67	5.08	Q
		CC-8	Survey Sampling and Indian Official Statistics	5	6	30	2019			
		CC-9	Statistical Inference-I and Sampling Distributions	4	6	24	2019			
	CC-10	Time Series Analysis	5	6	30	2019				
V	STATISTICS	GE-4	Features of Indian Economy	6	6	36	2019	7.25	7.25	Q
		STATISTICS	SEC-2	Research Methodology	6	2	12			
	STATISTICS	CC-11	Statistical Inference - II	7	6	42	2019			
		CC-12	Linear Models	7	6	42	2019			
VI	STATISTICS	DSE-1	Statistical Quality Control	8	6	48	2019	8.25	8.25	Q
		DSE-2	Operations Research	7	6	42	2019			
	STATISTICS	CC-13	Design of Experiments	9	6	54	2020			
		CC-14	Multivariate Analysis and Nonparametric Methods	8	6	48	2020			
STATISTICS	DSE-3	Survival Analysis	7	6	42	2020	9	6	54	2020
	DSE-4	Project Work	9	6	54	2020				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.33							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.14										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: **BABUSONA MALICK**Honours: **CHEMISTRY**Roll No. **170312400009**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	5	6	30	2017	5.50	5.45	Q
		CC-2	Physical Chemistry-I	6	6	36	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2018	6.00	6.90	Q
		CC-4	Organic Chemistry-II	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2018	5.00	5.54	Q
		CC-6	Inorganic Chemistry-II	5	6	30	2018			
		CC-7	Organic Chemistry-III	4	6	24	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	6	2	12	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	5	6	30	2019	5.00	5.08	Q
		CC-9	Inorganic Chemistry-III	5	6	30	2019			
		CC-10	Organic Chemistry - IV	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	6	2	12	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	5	6	30	2019	5.00	5.00	Q
		CC-12	Organic Chemistry-V	5	6	30	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	5	6	30	2019			
		DSE-2	Analytical Methods in Chemistry	5	6	30	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2020	7.75	7.75	Q
		CC-14	Physical Chemistry-IV	7	6	42	2020			
	CHEMISTRY	DSE-3	Green Chemistry	7	6	42	2020			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.78							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.92										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ABHIJIT KARMAKAR

Honours: MATHEMATICS

Roll No. 170330100001

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.09	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.50	7.50	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.33	6.08	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	6.00	6.54	Q
		CC-9	Multivariate Calculus	7	6	42	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	5.25	5.25	Q
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.56							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.69										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: MD SAJID IMAM

Honours: ZOOLOGY

Roll No. 170330100043

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	4	6	24	2017	5.00	5.09	Q
		CC-2	Ecology	6	6	36	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	4	6	24	2019	4.00	5.60	Q
		CC-4	Cell Biology	4	6	24	2019			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	5.67	6.00	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	5	6	30	2018			
		CC-7	Fundamentals of Biochemistry	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	ZOOLOGY	SEC-1	Sericulture	6	2	12	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	4	6	24	2019	4.33	4.54	Q
		CC-9	Animal Physiology: Life Sustaining Systems	5	6	30	2019			
		CC-10	Immunology	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	5	6	30	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	5	2	10	2019			
V	ZOOLOGY	CC-11	Molecular Biology	5	6	30	2019	5.75	5.75	Q
		CC-12	Genetics	6	6	36	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2019			
		DSE-2	Parasitology	6	6	36	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	8.75	8.75	Q
		CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2020			
		DSE-4	Endocrinology	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.89							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.96										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SANGITA ROY

Honours: PHYSICS

Roll No. 170330100074

Semester No.	Subject	Course Code	Course Title	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	4	6	24	2017	4.00	4.18	Q
		CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2019	4.00	5.50	Q
		CC-4	Waves and Optics	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2018	5.33	5.46	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	4	6	24	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2019	5.67	6.00	Q
		CC-9	Elements of Modern Physics	5	6	30	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019	6.25	6.25	Q
		CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2019			
		DSE-2	Nano Materials and Applications	6	6	36	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	8.75	8.75	Q
		CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
		DSE-4	Astronomy and Astrophysics	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.06							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.06										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ABHINANDAN GHOSAL

Honours: MATHEMATICS

Roll No. 170330300002

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.27	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	5.50	5.70	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA		8.50	8.50	SNC
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	5.33	5.77	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019	8.50	8.50	SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	8.50	8.50	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	7	6	42	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ABU SUFIAN ANSARI

Honours: BOTANY

Roll No. 170330300003

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	4	6	24	2017	4.00	4.73	Q
		CC-2	Archegoniatae	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2020	6.50	6.50	Q
		CC-4	Morphology and Anatomy of Angiosperms	6	6	36	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	5	2	10	2018			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	4	6	24	2018	4.00	4.69	Q
		CC-6	Plant Systematics	4	6	24	2019			
		CC-7	Economic Botany	4	6	24	2018			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2019			
	BOTANY	SEC-1	Medicinal Botany	7	2	14	2018			
IV	BOTANY	CC-8	Palaeobotany & Palynology	6	6	36	2020	6.00	5.85	Q
		CC-9	Biomolecules and Cell Biology	5	6	30	2019			
		CC-10	Molecular Biology	7	6	42	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	6	6	36	2020			
	BOTANY	SEC-2	Plant Diversity & Human Welfare	4	2	8	2019			
V	BOTANY	CC-11	Plant Physiology	4	6	24	2019	4.25	4.25	Q
		CC-12	Plant Metabolism	4	6	24	2019			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	4	6	24	2019			
		DSE-2	Natural Resource Management	5	6	30	2019			
VI	BOTANY	CC-13	Genetics & Plant Breeding	6	6	36	2020	7.75	7.75	Q
		CC-14	Plant Biotechnology	8	6	48	2020			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2020			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.50							Letter Grade in CGPA : B	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.61										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters 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.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: CHAND GOPAL PAL

Honours: PHYSICS

Roll No. 170330300028

Semester No.	Subject	Course Code	Course Title	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	4	6	24	2017	4.00	4.18	Q
		CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	4.50	5.50	Q
		CC-4	Waves and Optics	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	6	6	36	2018	6.00	5.85	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2019	6.33	6.31	Q
		CC-9	Elements of Modern Physics	7	6	42	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2019	5.00	5.00	Q
		CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Classical Dynamics	4	6	24	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2020	6.75	6.75	Q
		CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36	2020			
		DSE-4	Astronomy and Astrophysics	7	6	42	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.61							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.63										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: MOHITOSH SIKDAR

Honours: ZOOLOGY

Roll No. 170330300054

Semester No.	Subject	Course Code	Course Title	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	2017	5.50	5.91	Q
		CC-2	Ecology	6	6	36	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2018	6.00	6.40	Q
		CC-4	Cell Biology	6	6	36	2018			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2019	5.67	5.77	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	5	6	30	2019			
		CC-7	Fundamentals of Biochemistry	5	6	30	2019			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	ZOOLOGY	SEC-1	Sericulture	9	2	18	2019			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	5	6	30	2019	5.00	5.54	Q
		CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2019			
		CC-10	Immunology	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	6	2	12	2019			
V	ZOOLOGY	CC-11	Molecular Biology	4	6	24	2019	5.00	5.00	Q
		CC-12	Genetics	5	6	30	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2019			
		DSE-2	Parasitology	5	6	30	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	6	6	36	2020	6.75	6.75	Q
		CC-14	Evolutionary Biology	8	6	48	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	6	6	36	2020			
		DSE-4	Endocrinology	7	6	42	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.67							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.87										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SOUBHIK GHOSH

Honours: MATHEMATICS

Roll No. 170330300083

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2017	5.00	5.45	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	6.00	5.90	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	6.00	6.08	Q
		CC-6	Group Theory I	8	6	48	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.67	5.69	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	NC	6	NC		SNC		
		CC-12	Mechanics I	NC	6	NC				
	MATHEMATICS	DSE-1	Linear Programming	NC	6	NC				
		DSE-2	Probability & Statistics	NC	6	NC				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
		DSE-4	Mechanics II	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SOUMYADEEP DEY

Honours: MATHEMATICS

Roll No. 170330300084

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.50	5.73	Q
		CC-2	Algebra	6	6	36	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	6.50	6.60	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA		6.00	6.15	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	6.00	6.15	Q
		CC-9	Multivariate Calculus	7	6	42	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	9.50	9.50	Q
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
		DSE-4	Mechanics II	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SOUVICK GHOSH

Honours: MATHEMATICS

Roll No. 170330300087

Semester No.	Subject	Course Code	Course Title	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	2017	4.50	5.00	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	6.90	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	4.33	5.00	Q
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	4.33	4.77	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019	SNC		
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2020			
		DSE-4	Mechanics II	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes “Not Computed” due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SUBRATA KUMAR BISWAS

Honours: PHYSICS

Roll No. 170330300104

Semester No.	Subject	Course Code	Course Title	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	4	6	24	2017	4.00	4.82	Q
		CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2020	7.00	7.00	Q
		CC-4	Waves and Optics	7	6	42	2020			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	4	6	24	2018	4.67	4.92	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018				
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.00	5.31	Q
		CC-9	Elements of Modern Physics	5	6	30	2019			
		CC-10	Analog Systems & Applications	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	4	6	24	2019			SNC
		CC-12	Solid State Physics	5	6	30	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2020	7.50	7.50	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: **SABYASACHI DAS**Honours: **MATHEMATICS**Roll No. **170330400011**

Semester No.	Subject	Course Code	Course Title	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	2017	4.00	4.64	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2018	6.00	5.50	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	4.67	4.62	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	4	6	24	2018			
MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2020	6.00	6.38	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	NA	6	NA				SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	8	6	48	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Differential Geometry	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ABHIJIT MONDAL

Honours: ZOOLOGY

Roll No. 170330800003

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2017	8.00	6.82	Q
		CC-2	Ecology	8	6	48	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2019	8.50	7.90	Q
		CC-4	Cell Biology	9	6	54	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	7.33	7.62	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2018			
		CC-7	Fundamentals of Biochemistry	8	6	48	2019			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2018			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2019	8.00	7.77	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2019			
		CC-10	Immunology	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2019			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2019	8.25	8.25	Q
		CC-12	Genetics	8	6	48	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2019			
		DSE-2	Parasitology	9	6	54	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2020	9.50	9.50	Q
		CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2020			
		DSE-4	Endocrinology	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.33							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.99										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: JAKIR HOSSAIN

Honours: MATHEMATICS

Roll No. 170330800039

Semester No.	Subject	Course Code	Course Title	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	2017	4.50	4.73	Q
		CC-2	Algebra	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	5.50	5.60	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.67	6.08	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.67	5.92	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	6.25	6.25	Q
		CC-12	Mechanics I	7	6	42	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.50							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.38										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SUBHANKAR GHOSH

Honours: MATHEMATICS

Roll No. 170330800095

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	5.00	5.00	Q
		CC-2	Algebra	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2018	6.50	6.90	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA		6.00	6.38	Q
		CC-6	Group Theory I	7	6	42	2018			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	6.00	6.38	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2020			
MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019	9.50	9.50	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Mechanics II	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SUVOJIT MONDAL

Honours: ZOOLOGY

Roll No. 170330800102

Semester No.	Subject	Course Code	Course Title	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	2017	6.00	5.73	Q
		CC-2	Ecology	7	6	42	2017			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	7	6	42	2019	7.50	7.20	Q
		CC-4	Cell Biology	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2018	6.67	6.85	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2018			
		CC-7	Fundamentals of Biochemistry	6	6	36	2019			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2018			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2019	7.33	7.54	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2019			
		CC-10	Immunology	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2019			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2019			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2019	8.25	8.25	Q
		CC-12	Genetics	7	6	42	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2019			
		DSE-2	Parasitology	8	6	48	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2020	9.50	9.50	Q
		CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Animal Behaviour	10	6	60	2020			
		DSE-4	Endocrinology	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.78							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.54										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SHYAMACHARAN DAS

Honours: MATHEMATICS

Roll No. 170330900050

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.00	5.09	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	6.80	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2019			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2019			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018	5.00	5.08	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	6.33	6.15	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	NA	6	NA		SNC		
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Mechanics II	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SOUMIK PAL

Honours: PHYSICS

Roll No. 170330900056

Semester No.	Subject	Course Code	Course Title	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	4	6	24	2017	4.50	5.18	Q
		CC-2	Mechanics	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2019	4.00	5.80	Q
		CC-4	Waves and Optics	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	4	6	24	2018	5.00	5.08	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2018				
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.67	5.92	Q
		CC-9	Elements of Modern Physics	6	6	36	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	5	2	10	2019				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019	6.00	6.00	Q
		CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2019			
		DSE-2	Classical Dynamics	4	6	24	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	8.25	8.25	Q
		CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
		DSE-4	Astronomy and Astrophysics	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.89							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.04										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: NURSELINA ISLAM

Honours: MATHEMATICS

Roll No. 170331000074

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.50	5.18	Q
		CC-2	Algebra	5	6	30	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2019	5.00	5.23	Q
		CC-6	Group Theory I	4	6	24	2019			
		CC-7	Numerical Methods	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2019	5.33	5.77	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019	4.75	4.75	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.28							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.32										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SAYAN BANERJEE

Honours: MATHEMATICS

Roll No. 170331000099

Semester No.	Subject	Course Code	Course Title	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	2017	4.00	4.82	Q
		CC-2	Algebra	4	6	24	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2019	6.00	6.40	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2019	SNC		
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
MATHEMATICS	SEC-1	Logic and Sets	8	2	16	2018				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2020	6.00	6.23	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
MATHEMATICS	SEC-2	Graph Theory	9	2	18	2019				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019	6.00	6.00	Q
		CC-12	Mechanics I	6	6	36	2019			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2019			
		DSE-2	Probability & Statistics	8	6	48	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2020	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2020			
		DSE-4	Mechanics II	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SUBRATA BANERJEE

Honours: BOTANY

Roll No. 170331000123

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	5	6	30	2017	5.50	5.82	Q
		CC-2	Archegoniatae	6	6	36	2017			
	ZOOLOGY	GE-1	Animal Diversity	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2020	6.00	6.10	Q
		CC-4	Morphology and Anatomy of Angiosperms	4	6	24	2019			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	6	6	36	2018	6.67	6.31	Q
		CC-6	Plant Systematics	7	6	42	2018			
		CC-7	Economic Botany	7	6	42	2018			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	6	6	36	2018			
	BOTANY	SEC-1	Agricultural Botany	4	2	8	2018			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2019	7.33	7.23	Q
		CC-9	Biomolecules and Cell Biology	7	6	42	2019			
		CC-10	Molecular Biology	7	6	42	2019			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	7	6	42	2019			
	BOTANY	SEC-2	Biofertilizers	7	2	14	2019			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2019	8.00	8.00	Q
		CC-12	Plant Metabolism	8	6	48	2019			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2019			
		DSE-2	Bioinformatics	8	6	48	2019			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2020	8.25	8.25	Q
		CC-14	Plant Biotechnology	8	6	48	2020			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2020			
		DSE-4	Industrial and Environmental Microbiology	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.22							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.99										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ASIM MONDAL

Honours: CHEMISTRY

Roll No. 170340100017

Semester No.	Subject	Course Code	Course Title	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	2017	7.50	6.55	Q
		CC-2	Physical Chemistry-I	7	6	42	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2020	7.50	6.40	Q
		CC-4	Organic Chemistry-II	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2018	7.33	6.92	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2018			
		CC-7	Organic Chemistry-III	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	5	6	30	2019	5.33	5.46	Q
		CC-9	Inorganic Chemistry-III	6	6	36	2019			
		CC-10	Organic Chemistry - IV	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2019	7.25	7.25	Q
		CC-12	Organic Chemistry-V	7	6	42	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2019			
		DSE-2	Analytical Methods in Chemistry	8	6	48	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2020	9.50	9.50	Q
		CC-14	Physical Chemistry-IV	9	6	54	2020			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2020			
		DSE-4	Inorganic Materials of Industrial Importance	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.50							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.01										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: **BAISAKHI KOTAL**Honours: **PHYSICS**Roll No. **170340100018**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	5.00	4.91	Q
		CC-2	Mechanics	5	6	30	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	5	6	30	2018	4.50	5.40	Q
		CC-4	Waves and Optics	4	6	24	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	6	2	12	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018	4.67	5.38	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	4	6	24	2019	5.33	5.62	Q
		CC-9	Elements of Modern Physics	6	6	36	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019	6.00	6.00	Q
		CC-12	Solid State Physics	6	6	36	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2019			
		DSE-2	Classical Dynamics	5	6	30	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	8.25	8.25	Q
		CC-14	Statistical Mechanics	9	6	54	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.89							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.94										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: PRASENJIT ROY

Honours: CHEMISTRY

Roll No. 170340100067

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2018	5.00	5.18	Q
		CC-2	Physical Chemistry-I	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	4	6	24	2018	4.00	5.70	Q
		CC-4	Organic Chemistry-II	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	5	6	30	2018	5.00	5.15	Q
		CC-6	Inorganic Chemistry-II	5	6	30	2018			
		CC-7	Organic Chemistry-III	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	4	6	24	2019	4.33	5.00	Q
		CC-9	Inorganic Chemistry-III	4	6	24	2019			
		CC-10	Organic Chemistry - IV	5	6	30	2019			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2019			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2019	6.50	6.50	Q
		CC-12	Organic Chemistry-V	6	6	36	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	6	6	36	2019			
		DSE-2	Analytical Methods in Chemistry	8	6	48	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2020	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2020			
	CHEMISTRY	DSE-3	Green Chemistry	9	6	54	2020			
		DSE-4	Inorganic Materials of Industrial Importance	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.00							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.08										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SOUVIK DEY

Honours: MATHEMATICS

Roll No. 170340100124

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2018	4.50	4.91	Q
		CC-2	Algebra	4	6	24	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	6.70	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.00	6.00	Q
		CC-6	Group Theory I	5	6	30	2018			
		CC-7	Numerical Methods	8	6	48	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.00	5.38	Q
		CC-9	Multivariate Calculus	5	6	30	2019			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2019			
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.25	9.25	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Project Work	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: AMIT SARKAR

Honours: PHYSICS

Roll No. 170340300003

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	4.50	5.27	Q
		CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	6	6	36	2018	6.50	5.90	Q
		CC-4	Waves and Optics	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018	4.67	5.31	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2019				
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2019	5.67	5.31	Q
		CC-9	Elements of Modern Physics	5	6	30	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2019	7.00	7.00	Q
		CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2019			
		DSE-2	Classical Dynamics	5	6	30	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	7.50	7.50	Q
		CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Applied Dynamics	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.17							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.04										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: **PUSHPAK MANDI**Honours: **PHYSICS**Roll No. **170340300049**

Semester No.	Subject	Course Code	Course Title	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	2017	5.50	5.45	Q
		CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2019	5.50	5.20	Q
		CC-4	Waves and Optics	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	4	6	24	2018	4.33	4.23	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	4	6	24	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	4	2	8	2018				
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	4.67	4.69	Q
		CC-9	Elements of Modern Physics	4	6	24	2019			
		CC-10	Analog Systems & Applications	5	6	30	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	4	6	24	2019	SNC		
		CC-12	Solid State Physics	4	6	24	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	4	6	24	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	8.00	8.00	Q
		CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
		DSE-4	Applied Dynamics	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: AMARTYA MANDAL

Honours: PHYSICS

Roll No. 170340400003

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	4.50	4.91	Q
		CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2018	5.00	6.20	Q
		CC-4	Waves and Optics	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	6	6	36	2018	6.00	6.08	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	8	6	48	2018			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2019			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018				
IV	PHYSICS	CC-8	Mathematical Physics-III	4	6	24	2019	6.33	6.31	Q
		CC-9	Elements of Modern Physics	8	6	48	2020			
		CC-10	Analog Systems & Applications	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2019	SNC		
		CC-12	Solid State Physics	5	6	30	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.50	8.50	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :	Result : PNC		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters 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.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: DIP KUMAR MALIK

Honours: GEOLOGY

Roll No. 170340500033

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	GEOLOGY	CC-1	Earth System Science	5	6	30	2017	4.50	4.82	Q
		CC-2	Mineral Science	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	GEOLOGY	CC-3	Elements of Geochemistry	5	6	30	2020	4.50	4.40	Q
		CC-4	Structural Geology	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	4	6	24	2018			
	Communicative English/MIL	AECC-2	Communicative English	5	2	10	2018			
III	GEOLOGY	CC-5	Igneous Petrology	5	6	30	2018	5.33	5.15	Q
		CC-6	Sedimentology	5	6	30	2018			
		CC-7	Paleontology	6	6	36	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
	GEOLOGY	SEC-1	Basic Field Training	7	2	14	2018			
IV	GEOLOGY	CC-8	Metamorphic Petrology	5	6	30	2019	5.67	5.69	Q
		CC-9	Principles of Stratigraphy and Precambrian Stratigraphy of India	6	6	36	2019			
		CC-10	Phanerozoic Stratigraphy of India	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	5	6	30	2019			
	GEOLOGY	SEC-2	Geological Mapping and Structural Geology Field	8	2	16	2019			
V	GEOLOGY	CC-11	Hydrogeology	6	6	36	2019	6.50	6.50	Q
		CC-12	Economic Geology	7	6	42	2019			
	GEOLOGY	DSE-1	Geodynamics	7	6	42	2019			
		DSE-2	Introduction to Geophysics	6	6	36	2019			
VI	GEOLOGY	CC-13	Geomorphology, Remote Sensing & GIS	9	6	54	2020	9.00	9.00	Q
		CC-14	Engineering Geology	10	6	60	2020			
	GEOLOGY	DSE-3	Fuel Geology	8	6	48	2020			
		DSE-4	Evolution of Life Through Time	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.28							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.97										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ITISHREE CHAKRABORTY

Honours: NUTRITION

Roll No. 17034060026

Semester No.	Subject	Course Code	Course Title	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	4	6	24	2017	5.00	5.00	Q
		CC-2	Nutritional Aspect of Food Items	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	NUTRITION	CC-3	Nutritional Physiology-II	4	6	24	2018	5.00	5.50	Q
		CC-4	Physiological Aspect of Nutrition	6	6	36	2018			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2020			
	Communicative English/MIL	AECC-2	Communicative English	4	2	8	2018			
III	NUTRITION	CC-5	Nutritional Biochemistry	5	6	30	2018	5.33	5.38	Q
		CC-6	Nutrition: Life Cycle Approach	6	6	36	2018			
		CC-7	Diet Therapy - I	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
NUTRITION	SEC-1	Environment Management and Public Health	7	2	14	2018				
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	8	6	48	2020	8.00	7.00	Q
		CC-9	Community Nutrition and Epidemiology	8	6	48	2020			
		CC-10	Diet Therapy-II	8	6	48	2020			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	4	6	24	2019			
NUTRITION	SEC-2	Immunology, Toxicology and Public Health	7	2	14	2020				
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	5	6	30	2019	5.50	5.50	Q
		CC-12	Medical Microbiology and Pathology	5	6	30	2019			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	6	6	36	2019			
		DSE-2	Molecular Biology	6	6	36	2019			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	7	6	42	2020	7.00	7.00	Q
		CC-14	Food Safety and Food Standard	7	6	42	2020			
	NUTRITION	DSE-3	Concept of Research and Health Management	7	6	42	2020			
		DSE-4	Food Spoilage and Food Preservation	7	6	42	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.11							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.93										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: PRAJNA MALIK

Honours: NUTRITION

Roll No. 170340600045

Semester No.	Subject	Course Code	Course Title	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	4	6	24	2017	4.00	4.18	Q
		CC-2	Nutritional Aspect of Food Items	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	NUTRITION	CC-3	Nutritional Physiology-II	4	6	24	2018	5.00	5.10	Q
		CC-4	Physiological Aspect of Nutrition	6	6	36	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	5	6	30	2020			
	Communicative English/MIL	AECC-2	Bengali	6	2	12	2018			
III	NUTRITION	CC-5	Nutritional Biochemistry	4	6	24	2018	5.00	4.77	Q
		CC-6	Nutrition: Life Cycle Approach	6	6	36	2018			
		CC-7	Diet Therapy - I	5	6	30	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	4	6	24	2019			
NUTRITION	SEC-1	Environment Management and Public Health	5	2	10	2018				
IV	NUTRITION	CC-8	Nutritional Assessment and Nutrition Programme	8	6	48	2019	6.67	6.08	Q
		CC-9	Community Nutrition and Epidemiology	6	6	36	2019			
		CC-10	Diet Therapy-II	6	6	36	2019			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	4	6	24	2019			
NUTRITION	SEC-2	Immunology, Toxicology and Public Health	7	2	14	2020				
V	NUTRITION	CC-11	Food Microbiology and Food Borne Disease	5	6	30	2019	5.25	5.25	Q
		CC-12	Medical Microbiology and Pathology	6	6	36	2019			
	NUTRITION	DSE-1	Therapeutic Nutrition and Critical Care	6	6	36	2019			
		DSE-2	Molecular Biology	4	6	24	2019			
VI	NUTRITION	CC-13	Nutraceutical and Functional Food	7	6	42	2020	7.00	7.00	Q
		CC-14	Food Safety and Food Standard	8	6	48	2020			
	NUTRITION	DSE-3	Concept of Research and Health Management	6	6	36	2020			
		DSE-4	Food Spoilage and Food Preservation	7	6	42	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.67							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.42										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: **KOUSHIK DHANK**Honours: **MATHEMATICS**Roll No. **170340900055**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2019	4.00	4.91	Q
		CC-2	Algebra	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2020	5.00	5.70	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	PHYSICS	GE-2	Electricity and Magnetism	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	NA	6	NA		5.67	6.00	SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2020	5.67	6.00	Q
		CC-9	Multivariate Calculus	4	6	24	2019			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	MATHEMATICS	SEC-2	Graph Theory	6	2	12	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	4	6	24	2019	5.67	6.00	SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Point Set Topology	NA	6	NA				
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	8.75	8.75	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Project Work	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SOUMIK ROY

Honours: PHYSICS

Roll No. 170340900157

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2017	5.50	5.91	Q
		CC-2	Mechanics	6	6	36	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2018	5.50	5.50	Q
		CC-4	Waves and Optics	7	6	42	2020			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018	5.33	5.62	Q
		CC-6	Thermal Physics	5	6	30	2018			
		CC-7	Digital Systems and Applications	6	6	36	2018			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.67	6.08	Q
		CC-9	Elements of Modern Physics	4	6	24	2019			
		CC-10	Analog Systems & Applications	8	6	48	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019	5.50	5.50	Q
		CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Classical Dynamics	4	6	24	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	7.75	7.75	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.00							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.07										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters 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.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: PIU MONDAL

Honours: ECONOMICS

Roll No. 170341000046

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ECONOMICS	CC-1	Introductory Microeconomics	5	6	30	2018	5.50	5.64	Q
		CC-2	Statistics-I	6	6	36	2018			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	ECONOMICS	CC-3	Introductory Macroeconomics	5	6	30	2018	4.50	6.00	Q
		CC-4	Mathematical Economics-I	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	ECONOMICS	CC-5	Intermediate Microeconomics	5	6	30	2018	4.33	4.85	Q
		CC-6	Intermediate Macroeconomics	4	6	24	2019			
		CC-7	Mathematical Economics -II	4	6	24	2018			
	STATISTICS	GE-3	Basics of Statistical Inference	5	6	30	2018			
	ECONOMICS	SEC-1	Insurance Market & Products	9	2	18	2018			
IV	ECONOMICS	CC-8	Selected Features of Indian Economy	4	6	24	2019	4.00	4.85	Q
		CC-9	Statistics-II	4	6	24	2019			
		CC-10	Development Economics	4	6	24	2019			
	STATISTICS	GE-4	Applied Statistics	6	6	36	2019			
	ECONOMICS	SEC-2	Basic Computer Applications	9	2	18	2019			
V	ECONOMICS	CC-11	International Economics	4	6	24	2019	5.75	5.75	Q
		CC-12	Money and Banking	6	6	36	2019			
	ECONOMICS	DSE-1	Rural Development	4	6	24	2019			
		DSE-2	Environmental Economics	9	6	54	2019			
VI	ECONOMICS	CC-13	Basic Econometrics	8	6	48	2020	8.00	8.00	Q
		CC-14	Field Survey & Project Report	8	6	48	2020			
	ECONOMICS	DSE-3	Political Economy	8	6	48	2020			
		DSE-4	Entrepreneurship Development	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.56							Letter Grade in CGPA : B	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.82										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: BISWAJIT SINGHA ROY

Honours: BOTANY

Roll No. 170341100014

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	5	6	30	2018	4.50	4.45	Q
		CC-2	Archegoniatae	4	6	24	2018			
	ZOOLOGY	GE-1	Animal Diversity	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2020	7.00	6.40	Q
		CC-4	Morphology and Anatomy of Angiosperms	7	6	42	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	5	6	30	2018			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2018	6.33	6.00	Q
		CC-6	Plant Systematics	5	6	30	2018			
		CC-7	Economic Botany	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	BOTANY	SEC-1	Ethnobotany	6	2	12	2018			
IV	BOTANY	CC-8	Palaeobotany & Palynology	5	6	30	2019	5.00	5.23	Q
		CC-9	Biomolecules and Cell Biology	5	6	30	2019			
		CC-10	Molecular Biology	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	5	6	30	2019			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2019			
V	BOTANY	CC-11	Plant Physiology	6	6	36	2019	6.50	6.50	Q
		CC-12	Plant Metabolism	6	6	36	2019			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	6	6	36	2019			
		DSE-2	Natural Resource Management	8	6	48	2019			
		CC-13	Genetics & Plant Breeding	9	6	54	2020			
VI	BOTANY	CC-14	Plant Biotechnology	9	6	54	2020	9.00	9.00	Q
		DSE-3	Plant Evolution & Biodiversity	9	6	54	2020			
	BOTANY	DSE-4	Industrial and Environmental Microbiology	9	6	54	2020			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.61								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.27										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SUBHAJIT GHORUI

Honours: BOTANY

Roll No. 170341100055

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	4	6	24	2017	4.00	4.64	Q
		CC-2	Archegoniatae	4	6	24	2019			
	ZOOLOGY	GE-1	Animal Diversity	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	BOTANY	CC-3	Mycology and Phytopathology	4	6	24	2018	5.50	5.40	Q
		CC-4	Morphology and Anatomy of Angiosperms	7	6	42	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	5	6	30	2018	5.00	5.08	Q
		CC-6	Plant Systematics	4	6	24	2018			
		CC-7	Economic Botany	6	6	36	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2018			
	BOTANY	SEC-1	Ethnobotany	6	2	12	2018			
IV	BOTANY	CC-8	Palaeobotany & Palynology	5	6	30	2019	5.00	5.23	Q
		CC-9	Biomolecules and Cell Biology	5	6	30	2019			
		CC-10	Molecular Biology	5	6	30	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	5	6	30	2019			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2019			
V	BOTANY	CC-11	Plant Physiology	6	6	36	2019	6.00	6.00	Q
		CC-12	Plant Metabolism	6	6	36	2019			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	5	6	30	2019			
		DSE-2	Natural Resource Management	7	6	42	2019			
		CC-13	Genetics & Plant Breeding	9	6	54	2020			
VI	BOTANY	CC-14	Plant Biotechnology	9	6	54	2020	9.00	9.00	Q
		DSE-3	Plant Evolution & Biodiversity	9	6	54	2020			
	BOTANY	DSE-4	Industrial and Environmental Microbiology	9	6	54	2020			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.06								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.90										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: BINEET SAHA

Honours: ZOOLOGY

Roll No. 170341300016

Semester No.	Subject	Course Code	Course Title	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	2017	4.50	5.18	Q
		CC-2	Ecology	4	6	24	2017			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	ZOOLOGY	CC-3	Non-chordates II	6	6	36	2020	6.50	7.00	Q
		CC-4	Cell Biology	7	6	42	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	ZOOLOGY	CC-5	Chordates	5	6	30	2018	6.00	6.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	5	6	30	2018			
		CC-7	Fundamentals of Biochemistry	NC	6	NC				
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2018			
	ZOOLOGY	SEC-1	Apiculture	5	2	10	2018			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	5	6	30	2019	6.00	6.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2019			
		CC-10	Immunology	7	6	42	2019			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2019			
	ZOOLOGY	SEC-2	Medical Diagnostics	6	2	12	2019			
V	ZOOLOGY	CC-11	Molecular Biology	5	6	30	2019	6.00	6.00	Q
		CC-12	Genetics	5	6	30	2019			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2019			
		DSE-2	Parasitology	6	6	36	2019			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2020	8.50	8.50	Q
		CC-14	Evolutionary Biology	9	6	54	2020			
	ZOOLOGY	DSE-3	Wild life Conservation	8	6	48	2020			
		DSE-4	Endocrinology	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters 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.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: NITISH KUMAR SAREN

Honours: PHYSICS

Roll No. 170341300036

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2018	5.00	5.09	Q
		CC-2	Mechanics	5	6	30	2018			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2020	5.50	5.60	Q
		CC-4	Waves and Optics	4	6	24	2019			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	4	6	24	2018	4.67	4.77	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	6	6	36	2018			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2019	5.67	6.00	Q
		CC-9	Elements of Modern Physics	5	6	30	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2019	5.75	5.75	Q
		CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Classical Dynamics	4	6	24	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2020	7.75	7.75	Q
		CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.89							Letter Grade in CGPA : B	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.83										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters 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.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SK JOSIM ALI

Honours: PHYSICS

Roll No. 170341300063

Semester No.	Subject	Course Code	Course Title	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	4	6	24	2017	4.00	4.64	Q
		CC-2	Mechanics	4	6	24	2019			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2018	4.50	4.80	Q
		CC-4	Waves and Optics	5	6	30	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	5	6	30	2018			SNC
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	5	6	30	2018			
	MATHEMATICS	GE-3	Real Analysis	NA	6	NA				
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	4	2	8	2018				
IV	PHYSICS	CC-8	Mathematical Physics-III	4	6	24	2019	5.33	5.54	Q
		CC-9	Elements of Modern Physics	6	6	36	2020			
		CC-10	Analog Systems & Applications	6	6	36	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2020				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	4	6	24	2019			SNC
		CC-12	Solid State Physics	4	6	24	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2020	6.25	6.25	Q
		CC-14	Statistical Mechanics	6	6	36	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36	2020			
		DSE-4	Astronomy and Astrophysics	7	6	42	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters 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.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: CHANDAN GHOSH

Honours: MATHEMATICS

Roll No. 170341400012

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	4	6	24	2018	4.50	4.91	Q
		CC-2	Algebra	5	6	30	2018			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	5.00	6.20	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	4.67	5.38	Q
		CC-6	Group Theory I	4	6	24	2018			
		CC-7	Numerical Methods	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2019	6.33	6.15	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	8	2	16	2020			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2019	SNC		
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	5	6	30	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2020			
	MATHEMATICS	DSE-3	Group Theory II	10	6	60	2020			
		DSE-4	Project Work	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: NILADRI SAKHAR GANGULY

Honours: PHYSICS

Roll No. 170341400020

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	5	6	30	2018	4.50	4.91	Q
		CC-2	Mechanics	4	6	24	2018			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	5	6	30	2017			
		ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24			
II	PHYSICS	CC-3	Electricity and Magnetism	6	6	36	2020	5.00	5.10	Q
		CC-4	Waves and Optics	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2019			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	4	6	24	2018	5.00	5.46	Q
		CC-6	Thermal Physics	4	6	24	2018			
		CC-7	Digital Systems and Applications	7	6	42	2018			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2018			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	5	2	10	2018				
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	5.33	6.00	Q
		CC-9	Elements of Modern Physics	5	6	30	2019			
		CC-10	Analog Systems & Applications	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	8	6	48	2020			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2019				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2019	6.50	6.50	Q
		CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2019			
		DSE-2	Communication Systems	7	6	42	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	7.50	7.50	Q
		CC-14	Statistical Mechanics	7	6	42	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2020			
		DSE-4	Astronomy and Astrophysics	7	6	42	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.89							Letter Grade in CGPA : B		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.94										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: PINAKI ROY

Honours: MATHEMATICS

Roll No. 17034140024

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2019	5.00	5.18	Q
		CC-2	Algebra	5	6	30	2019			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	MATHEMATICS	CC-3	Real Analysis	4	6	24	2018	5.00	6.10	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2018	6.00	6.00	Q
		CC-6	Group Theory I	6	6	36	2018			
		CC-7	Numerical Methods	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2018			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2019	5.67	5.38	Q
		CC-9	Multivariate Calculus	8	6	48	2020			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	4	6	24	2019			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019	6.25	6.25	Q
		CC-12	Mechanics I	5	6	30	2019			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2019			
		DSE-2	Probability & Statistics	7	6	42	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2020	8.50	8.50	Q
		CC-14	Ring Theory and Linear Algebra II	8	6	48	2020			
	MATHEMATICS	DSE-3	Group Theory II	9	6	54	2020			
		DSE-4	Project Work	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.33							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.24										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SUBHASISH BISWAS

Honours: COMPUTER SCIENCE

Roll No. 170341400047

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.00	4.73	Q
		CC-2	Computer System Architecture	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2018	5.50	6.10	Q
		CC-4	Discrete Structure	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	5	6	30	2018	4.67	4.85	Q
		CC-6	Operating Systems	5	6	30	2018			
		CC-7	Computer Networks	4	6	24	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	6	2	12	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	4	6	24	2019	4.67	4.85	Q
		CC-9	Software Engineering	5	6	30	2019			
		CC-10	Database Management System	5	6	30	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.25	6.25	Q
		CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
		DSE-2	System Programming	6	6	36	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.25	9.25	Q
		CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Data Mining	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.17							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.99										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: GAURAB DAS

Honours: COMPUTER SCIENCE

Roll No. 170341500004

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	4	6	24	2017	5.50	5.45	Q
		CC-2	Computer System Architecture	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2020	5.50	6.40	Q
		CC-4	Discrete Structure	4	6	24	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	4	6	24	2018	4.33	4.69	Q
		CC-6	Operating Systems	5	6	30	2018			
		CC-7	Computer Networks	4	6	24	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	7	2	14	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	6	6	36	2019	5.67	6.00	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	5	6	30	2019			
	MATHEMATICS	GE-4	Algebra	6	6	36	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	5	6	30	2019			SNC
		CC-12	Theory of Computation	NA	6	NA				
	COMPUTER SCIENCE	DSE-1	Microprocessors	5	6	30	2019			
		DSE-2	System Programming	5	6	30	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.00	9.00	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: IVEE MANNA

Honours: CHEMISTRY

Roll No. 17034150007

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	5	6	30	2017	5.50	5.45	Q
		CC-2	Physical Chemistry-I	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2018	5.50	6.50	Q
		CC-4	Organic Chemistry-II	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2018	6.33	6.54	Q
		CC-6	Inorganic Chemistry-II	6	6	36	2018			
		CC-7	Organic Chemistry-III	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	4	6	24	2019	5.00	5.31	Q
		CC-9	Inorganic Chemistry-III	6	6	36	2019			
		CC-10	Organic Chemistry - IV	5	6	30	2019			
	MATHEMATICS	GE-4	Algebra	5	6	30	2019			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2019	7.00	7.00	Q
		CC-12	Organic Chemistry-V	6	6	36	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	8	6	48	2019			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	10	6	60	2020	10.00	10.00	Q
		CC-14	Physical Chemistry-IV	10	6	60	2020			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2020			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.89							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.80										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: MARIYAM SHAHNAZ

Honours: CHEMISTRY

Roll No. 170341500008

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	6	6	36	2017	6.00	5.73	Q
		CC-2	Physical Chemistry-I	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2020	7.50	7.70	Q
		CC-4	Organic Chemistry-II	7	6	42	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	4	6	24	2018	4.00	4.23	Q
		CC-6	Inorganic Chemistry-II	4	6	24	2018			
		CC-7	Organic Chemistry-III	4	6	24	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	4	2	8	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	4	6	24	2019	4.00	5.08	Q
		CC-9	Inorganic Chemistry-III	4	6	24	2019			
		CC-10	Organic Chemistry - IV	4	6	24	2019			
	MATHEMATICS	GE-4	Algebra	7	6	42	2020			
	CHEMISTRY	SEC-2	Analytical Clinical Biochemistry	9	2	18	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2019	5.75	5.75	Q
		CC-12	Organic Chemistry-V	5	6	30	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	6	6	36	2019			
		DSE-2	Analytical Methods in Chemistry	6	6	36	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	10	6	60	2020	10.00	10.00	Q
		CC-14	Physical Chemistry-IV	10	6	60	2020			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2020			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.33							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.34										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SAYANTAN GHOSH

Honours: COMPUTER SCIENCE

Roll No. 170341500010

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	6.00	5.55	Q
		CC-2	Computer System Architecture	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2018	5.50	6.10	Q
		CC-4	Discrete Structure	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	4	6	24	2018	5.00	5.08	Q
		CC-6	Operating Systems	5	6	30	2018			
		CC-7	Computer Networks	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	6.67	6.23	Q
		CC-9	Software Engineering	7	6	42	2019			
		CC-10	Database Management System	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	6	6	36	2019	6.25	6.25	Q
		CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
		DSE-2	System Programming	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.50	9.50	Q
		CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.72							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.45										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SK NUR HASAN

Honours: COMPUTER SCIENCE

Roll No. 170341500011

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	4	6	24	2017	4.50	4.91	Q
		CC-2	Computer System Architecture	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	4	6	24	2018	4.00	5.20	Q
		CC-4	Discrete Structure	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	4	6	24	2018	5.33	5.31	Q
		CC-6	Operating Systems	5	6	30	2018			
		CC-7	Computer Networks	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	7.00	6.46	Q
		CC-9	Software Engineering	8	6	48	2019			
		CC-10	Database Management System	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.25	6.25	Q
		CC-12	Theory of Computation	4	6	24	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
		DSE-2	System Programming	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.25	9.25	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.44							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.27										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SOUMYAJIT DEY

Honours: COMPUTER SCIENCE

Roll No. 170341500013

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.00	5.00	Q
		CC-2	Computer System Architecture	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	4	6	24	2018	5.00	6.00	Q
		CC-4	Discrete Structure	6	6	36	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2018	6.33	6.23	Q
		CC-6	Operating Systems	6	6	36	2018			
		CC-7	Computer Networks	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	8	6	48	2019	7.00	7.46	Q
		CC-9	Software Engineering	7	6	42	2019			
		CC-10	Database Management System	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	8	6	48	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	9	6	54	2019	7.50	7.50	Q
		CC-12	Theory of Computation	7	6	42	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
		DSE-2	System Programming	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2020	10.00	10.00	Q
		CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
		DSE-4	Project Work / Dissertation	10	6	60	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.22							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.08										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: UJJWAL NANDI

Honours: COMPUTER SCIENCE

Roll No. 170341500016

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	6.00	5.27	Q
		CC-2	Computer System Architecture	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	4	6	24	2018	4.00	5.40	Q
		CC-4	Discrete Structure	4	6	24	2019			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	4	6	24	2018	4.33	4.54	Q
		CC-6	Operating Systems	4	6	24	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	6	6	36	2019	6.00	6.54	Q
		CC-9	Software Engineering	7	6	42	2019			
		CC-10	Database Management System	5	6	30	2019			
	MATHEMATICS	GE-4	Algebra	7	6	42	2020			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	5.75	5.75	Q
		CC-12	Theory of Computation	4	6	24	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	6	6	36	2019			
		DSE-2	System Programming	6	6	36	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.00	9.00	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.11							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.10										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: ANUP BHANDARI

Honours: MATHEMATICS

Roll No. 170342000006

Semester No.	Subject	Course Code	Course Title	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	2017	4.00	5.27	Q
		CC-2	Algebra	4	6	24	2018			
	COMPUTER SCIENCE	GE-1	Problem Solving using Computer	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2020	5.50	6.30	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2018			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018			SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	4	6	24	2018			
	COMPUTER SCIENCE	GE-3	Operating Systems	7	6	42	2018			
	MATHEMATICS	SEC-1	Logic and Sets	NA	2	NA				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2020	5.00	4.92	Q
		CC-9	Multivariate Calculus	5	6	30	2020			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2020			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2019			
	MATHEMATICS	SEC-2	Graph Theory	4	2	8	2019			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	8.50	8.50	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2020			
	MATHEMATICS	DSE-3	Group Theory II	8	6	48	2020			
		DSE-4	Project Work	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: DEBJANI DAS

Honours: MATHEMATICS

Roll No. 170342000020

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	5	6	30	2017	4.50	5.55	Q
		CC-2	Algebra	4	6	24	2017			
	ZOOLOGY	GE-1	Animal Diversity	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2020	4.50	5.40	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2018			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	6	6	36	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2018			SNC
		CC-6	Group Theory I	NA	6	NA				
		CC-7	Numerical Methods	4	6	24	2018			
	ZOOLOGY	GE-3	Physiology and Biochemistry	6	6	36	2018			
	MATHEMATICS	SEC-1	Logic and Sets	4	2	8	2019			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2020	4.33	4.69	Q
		CC-9	Multivariate Calculus	4	6	24	2020			
		CC-10	Ring Theory and Linear Algebra I	5	6	30	2020			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2019			
MATHEMATICS	SEC-2	Graph Theory	4	2	8	2019				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2019			SNC
		CC-12	Mechanics I	4	6	24	2019			
	MATHEMATICS	DSE-1	Linear Programming	NA	6	NA				
		DSE-2	Probability & Statistics	4	6	24	2019			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2020	7.75	7.75	Q
		CC-14	Ring Theory and Linear Algebra II	8	6	48	2020			
	MATHEMATICS	DSE-3	Group Theory II	7	6	42	2020			
		DSE-4	Project Work	8	6	48	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :		Result : PNC	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: KUNTAL JANA

Honours: COMPUTER SCIENCE

Roll No. 170342000028

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.00	5.09	Q
		CC-2	Computer System Architecture	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	4	6	24	2018	4.50	4.90	Q
		CC-4	Discrete Structure	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	5	6	30	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2018	5.33	5.23	Q
		CC-6	Operating Systems	5	6	30	2018			
		CC-7	Computer Networks	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	5	2	10	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	6.33	5.85	Q
		CC-9	Software Engineering	6	6	36	2019			
		CC-10	Database Management System	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	7	2	14	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	5.50	5.50	Q
		CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	4	6	24	2019			
		DSE-2	Numerical Methods	6	6	36	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2020	7.75	7.75	Q
		CC-14	Computer Graphics	8	6	48	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2020			
		DSE-4	Project Work / Dissertation	7	6	42	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 5.94							Letter Grade in CGPA : B	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 5.75										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: PROSENJIT PATRA

Honours: COMPUTER SCIENCE

Roll No. 170342000047

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	5	6	30	2017	5.50	5.36	Q
		CC-2	Computer System Architecture	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	4	6	24	2018			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	7	6	42	2018	6.00	6.40	Q
		CC-4	Discrete Structure	5	6	30	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2018	7.00	6.62	Q
		CC-6	Operating Systems	7	6	42	2018			
		CC-7	Computer Networks	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	8	2	16	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	7.00	6.46	Q
		CC-9	Software Engineering	8	6	48	2019			
		CC-10	Database Management System	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	10	6	60	2019	8.25	8.25	Q
		CC-12	Theory of Computation	7	6	42	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2019			
		DSE-2	Numerical Methods	8	6	48	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.00	9.00	Q
		CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2020			
		DSE-4	Project Work / Dissertation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.44							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.04										

Date of Publication of Result : 29.10.2020

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

Anindya Jyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SADIA AFRIN

Honours: PHYSICS

Roll No. 170342000060

Semester No.	Subject	Course Code	Course Title	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	4	6	24	2017	4.00	4.73	Q
		CC-2	Mechanics	4	6	24	2017			
	MATHEMATICS	GE-1	Differential Calculus	4	6	24	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	PHYSICS	CC-3	Electricity and Magnetism	4	6	24	2018	4.50	4.80	Q
		CC-4	Waves and Optics	5	6	30	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	5	6	30	2018			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2018			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2018	7.00	7.23	Q
		CC-6	Thermal Physics	7	6	42	2018			
		CC-7	Digital Systems and Applications	7	6	42	2018			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2018			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2018			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2019	6.33	6.85	Q
		CC-9	Elements of Modern Physics	7	6	42	2019			
		CC-10	Analog Systems & Applications	7	6	42	2019			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2019			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	5	2	10	2019			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2019	5.75	5.75	Q
		CC-12	Solid State Physics	7	6	42	2019			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2019			
		DSE-2	Classical Dynamics	4	6	24	2019			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2020	8.00	8.00	Q
		CC-14	Statistical Mechanics	8	6	48	2020			
	PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36	2020			
		DSE-4	Astronomy and Astrophysics	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.22							Letter Grade in CGPA : B+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.31										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

Course Types :	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 All semesters 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.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

*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 2020 UNDER CBCS
GRADE CARD

Name: SUBHADIP GHOSH

Honours: CHEMISTRY

Roll No. 170342000082

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	7	6	42	2017	6.50	6.36	Q
		CC-2	Physical Chemistry-I	6	6	36	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2017			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2018	6.50	7.00	Q
		CC-4	Organic Chemistry-II	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2018			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2018	5.67	6.15	Q
		CC-6	Inorganic Chemistry-II	6	6	36	2018			
		CC-7	Organic Chemistry-III	5	6	30	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2018			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2018			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	6	6	36	2019	6.33	6.23	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2019			
		CC-10	Organic Chemistry - IV	5	6	30	2019			
	MATHEMATICS	GE-4	Algebra	5	6	30	2019			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2019			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2019	7.00	7.00	Q
		CC-12	Organic Chemistry-V	7	6	42	2019			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2019			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2019			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2020	9.25	9.25	Q
		CC-14	Physical Chemistry-IV	9	6	54	2020			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2020			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2020			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.06							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.99										

Date of Publication of Result : 29.10.2020

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

Anindya Zyoti Pal
 Controller of Examinations

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

Grade Point Norms:

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

$$= (SGPA \text{ or } CGPA \times 10) - 5.0$$

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