



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

Name : DIPANKAR BHATTACHARJEE

Roll No. 200611710002

| Semester No.  | Subject                   | Course Code | Course Title   | Grade (G) | Credit Value (V) | Grade Point (G×V)               | Credit Retained Year | SGPA on the basis of All Courses | Result Code |
|---|---------------------------|-------------|--|-----------|------------------|---------------------------------|----------------------|----------------------------------|-------------|
| I   | MATHEMATICS               | CC-1A       | Differential Calculus  | 9         | 6                | 54                              | 2020                 | 9.27                             | Q           |
|   | PHYSICS                   | CC-2A       | Mechanics  | 9         | 6                | 54                              | 2020                 |                                  |             |
|   | CHEMISTRY                 | CC-3A       | Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons | 10        | 6                | 60                              | 2020                 |                                  |             |
|   | ENVIRONMENTAL STUDIES     | AECC-1      | Fundamentals of Environmental Studies  | 9         | 4                | 36                              | 2020                 |                                  |             |
| II  | MATHEMATICS               | CC-1B       | Differential Equations   | 10        | 6                | 60                              | 2021                 | 10.00                            | Q           |
|   | PHYSICS                   | CC-2B       | Electricity and Magnetism  | 10        | 6                | 60                              | 2021                 |                                  |             |
|   | CHEMISTRY                 | CC-3B       | States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements                               | 10        | 6                | 60                              | 2021                 |                                  |             |
|   | Communicative English/MIL | AECC-2      | Communicative English  | 10        | 2                | 20                              | 2021                 |                                  |             |
| III   | MATHEMATICS               | CC-1C       | Real Analysis  | 8         | 6                | 48                              | 2021                 | 9.10                             | Q           |
|   | PHYSICS                   | CC-2C       | Thermal Physics and Statistical Mechanics  | 9         | 6                | 54                              | 2021                 |                                  |             |
|   | CHEMISTRY                 | CC-3C       | Chemical Energetic, Equilibria, Organic Chemistry  | 10        | 6                | 60                              | 2021                 |                                  |             |
|   | CHEMISTRY                 | SEC-1       | Analytical Clinical Biochemistry   | 10        | 2                | 20                              | 2021                 |                                  |             |
| IV  | MATHEMATICS               | CC-1D       | Algebra  | 9         | 6                | 54                              | 2022                 | 9.40                             | Q           |
|   | PHYSICS                   | CC-2D       | Waves and Optics   | 9         | 6                | 54                              | 2022                 |                                  |             |
|   | CHEMISTRY                 | CC-3D       | Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry                               | 10        | 6                | 60                              | 2022                 |                                  |             |
|   | CHEMISTRY                 | SEC-2       | Pharmaceutical Chemistry   | 10        | 2                | 20                              | 2022                 |                                  |             |
| V   | MATHEMATICS               | DSE-1A      | Matrices   | 9         | 6                | 54                              | 2022                 | 8.40                             | Q           |
|   | PHYSICS                   | DSE-2A      | Elements of Modern Physics   | 7         | 6                | 42                              | 2022                 |                                  |             |
|   | CHEMISTRY                 | DSE-3A      | Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry  | 9         | 6                | 54                              | 2022                 |                                  |             |
|   | ELECTRONICS               | SEC-3       | Computational Physics Skills   | 9         | 2                | 18                              | 2022                 |                                  |             |
| VI  | MATHEMATICS               | DSE-1B      | Numerical Methods  | 7         | 6                | 42                              | 2023                 | 8.10                             | Q           |
|   | PHYSICS                   | DSE-2B      | Digital, Analog and Instrumentation  | 9         | 6                | 54                              | 2023                 |                                  |             |
|   | CHEMISTRY                 | DSE-3B      | Functional Group Organic Chemistry and Industrial Chemistry  | 8         | 6                | 48                              | 2023                 |                                  |             |
|   | ELECTRONICS               | SEC-4       | Electrical Circuits and Network Skills   | 9         | 2                | 18                              | 2023                 |                                  |             |
| CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.05</b> |                           |             |  |           |                  | <b>Letter Grade in CGPA : O</b> |                      | <b>Result : Q</b>                |             |

Date of Publication of Result : 18.10.2023

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

Controller of Examinations

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

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



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

Name : RUDRA PRASAD BEJ

Roll No. 200611710003

| Semester No.  | Subject                   | Course Code | Course Title   | Grade (G) | Credit Value (V) | Grade Point (G×V)               | Credit Retained Year | SGPA on the basis of All Courses | Result Code |
|---|---------------------------|-------------|--|-----------|------------------|---------------------------------|----------------------|----------------------------------|-------------|
| I   | MATHEMATICS               | CC-1A       | Differential Calculus  | 7         | 6                | 42                              | 2020                 | 8.73                             | Q           |
|   | PHYSICS                   | CC-2A       | Mechanics  | 9         | 6                | 54                              | 2020                 |                                  |             |
|   | CHEMISTRY                 | CC-3A       | Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons | 10        | 6                | 60                              | 2020                 |                                  |             |
|   | ENVIRONMENTAL STUDIES     | AECC-1      | Fundamentals of Environmental Studies  | 9         | 4                | 36                              | 2020                 |                                  |             |
| II  | MATHEMATICS               | CC-1B       | Differential Equations   | 10        | 6                | 60                              | 2021                 | 9.30                             | Q           |
|   | PHYSICS                   | CC-2B       | Electricity and Magnetism  | 9         | 6                | 54                              | 2021                 |                                  |             |
|   | CHEMISTRY                 | CC-3B       | States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements                               | 9         | 6                | 54                              | 2021                 |                                  |             |
|   | Communicative English/MIL | AECC-2      | Communicative English  | 9         | 2                | 18                              | 2021                 |                                  |             |
| III   | MATHEMATICS               | CC-1C       | Real Analysis  | 5         | 6                | 30                              | 2021                 | 7.70                             | Q           |
|   | PHYSICS                   | CC-2C       | Thermal Physics and Statistical Mechanics  | 9         | 6                | 54                              | 2021                 |                                  |             |
|   | CHEMISTRY                 | CC-3C       | Chemical Energetic, Equilibria, Organic Chemistry  | 10        | 6                | 60                              | 2021                 |                                  |             |
|   | MATHEMATICS               | SEC-1       | Integral Calculus  | 5         | 2                | 10                              | 2021                 |                                  |             |
| IV  | MATHEMATICS               | CC-1D       | Algebra  | 9         | 6                | 54                              | 2022                 | 9.00                             | Q           |
|   | PHYSICS                   | CC-2D       | Waves and Optics   | 9         | 6                | 54                              | 2022                 |                                  |             |
|   | CHEMISTRY                 | CC-3D       | Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry                               | 9         | 6                | 54                              | 2022                 |                                  |             |
|   | MATHEMATICS               | SEC-2       | Theory of Equations  | 9         | 2                | 18                              | 2022                 |                                  |             |
| V   | MATHEMATICS               | DSE-1A      | Matrices   | 5         | 6                | 30                              | 2022                 | 5.50                             | Q           |
|   | PHYSICS                   | DSE-2A      | Elements of Modern Physics   | 5         | 6                | 30                              | 2022                 |                                  |             |
|   | CHEMISTRY                 | DSE-3A      | Transition Metal & Co-ordination Chemistry, Analytical and Industrial Chemistry  | 6         | 6                | 36                              | 2022                 |                                  |             |
|   | CHEMISTRY                 | SEC-3       | Basics & Application of Computer in Chemistry  | 7         | 2                | 14                              | 2022                 |                                  |             |
| VI  | MATHEMATICS               | DSE-1B      | Numerical Methods  | 4         | 6                | 24                              | 2023                 | 6.20                             | Q           |
|   | PHYSICS                   | DSE-2B      | Digital, Analog and Instrumentation  | 7         | 6                | 42                              | 2023                 |                                  |             |
|   | CHEMISTRY                 | DSE-3B      | Functional Group Organic Chemistry and Industrial Chemistry  | 7         | 6                | 42                              | 2023                 |                                  |             |
|   | CHEMISTRY                 | SEC-4       | Polymer Chemistry  | 8         | 2                | 16                              | 2023                 |                                  |             |
| CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.75</b> |                           |             |  |           |                  | <b>Letter Grade in CGPA : A</b> |                      | <b>Result : Q</b>                |             |

Date of Publication of Result : 18.10.2023

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

Controller of Examinations

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

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