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| **B.Sc (Hon's) 1st Year** | **Sl** | **Paper Title** | **Paper Code** |
| 1 | Fundamentals of Mathematics  | 213701 |
| 2 | Calculus-I | 213703 |
| 3 | Linear Algebra  | 213705 |
| 4 | Analytic and Vector Geometry  | 213707 |
|   | **Any two of the following** |   |
| 5 | Chemistry -IChemistry -I (Practical ) |  212807 212808 |
| 6 | Introduction of Statistics Statistics Practical-I | 213607 213608 |
| 7 | Physics -I (Mechanics, Properties of Matter,Waves & Optics)Physics -II (Heat, Thermodynamics and Radiation) |  212707 212709 |
| 8 | History of the Emergence of Independent Bangladesh | 211501 |

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| **B.Sc (Hon's) 2nd Year** | **Sl** | **Paper Title** | **Paper Code** |
| 1 | Calculus –II | 223701 |
| 2 | Ordinary Differential Equations  | 223703 |
| 3 | Computer Programming (Fortran) | 223705 |
| 4 | Math Lab (Practical) | 223706 |
|   | **Any two of the following** |   |
| 5 | Physics -III (Electricty and Mordan Physics)Physics -IV ( Physics Practical) |  222707 222708 |
| 6 | General Chemistry –IIEnvironmental Chemistry | 222807 222809 |
| 7 | Methods of Statistics Statistics Practical-II | 223609 223610 |
| 8 | English (Compulsory) | 221109 |

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| **B.Sc (Hon's) 3rd Year** | **Sl** | **Paper Title** | **Paper Code** |
| 1 | Abstract Algebra | 233701 |
| 2 | Real Analysis | 233703 |
| 3 | Numerical Analysis | 233705 |
| 4 | Complex Analysis | 233707 |
| 5 | Differential Geometry | 233709 |
| 6 | Mechanics | 233711 |
| 7 | Linear Programming  | 233713 |
| 8 | Math Lab ( Practical )  | 233714 |

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| **B.Sc (Hon's) 4th Year** | **Sl** | **Paper Title** | **Paper Code** |
| 1 | Theory of Numbers  | 243701 |
| 2 | Topology & Function Analysis | 243703 |
| 3 | Methods of Applied Mathematics  | 243705 |
| 4 | Tensor Analysis | 243707 |
| 5 | Partial Differential equations  | 243709 |
| 6 | Hydrodynamics | 243711 |
|   | **Any two of the following** |   |
| 7 | Discrete Mathematics | 243713 |
| 8 | Astronomy | 243715 |
| 9 |  Mathematical Modeling in Biology | 243717 |
| 10 | Math – lab (Practical) | 243718 |
| 11 | Viva- Voce( Comprehensive) | 243720 |