**FIRST YEAR**

**Departmental Courses**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Paper Code** | **Course Title** | **Marks** | **Credits** | **Class Hours** |
| BOT 101 | Microbiology | 75 | 3 | 45 |
| BOT 102 | Mycology | 75 | 3 | 45 |
| BOT 103 | Phycology | 75 | 3 | 45 |
| BOT 104 | Practical- Botany | 50 | 3 | 45 |
| BOT 105 | Viva – Voce | 25 | 1 |  |
| Total  |  | 300 | 12 |  |

**Extra Departmental Courses for the students of the Department of Botany**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Paper Code** | **Course Title** | **Course Title** | **Marks** | **Credits** |
| ACZ 1001 | Zoology-IZoology Practical – I | 100 | 4 | 60 |
| CMG7100 | Chemistry-1 | 100 | 4 | 60 |
| 211501 | History of the Emergence of Independent Bangladesh | 100 | 4 | 60 |
| ACZL002 | Zoology-1 | 50 | 2 |  |
| CMCGL7101 | Chemistry-1 | 50 | 2 |  |
|  |  Total | 650 | 26 |  |

**Total**

|  |  |  |
| --- | --- | --- |
| **Courses: Departmental/Extra-Departmental** | **Marks** | **Credits** |
| Departmental Courses | 300 | 12 |
| Extra Departmental Courses | 400 | 16 |
| Total  | 700 | 28 |

**Extra-Departmental course for Zoology and Soil, and Geography**

Bot 1001: Introductory Botany (Theory) 4 Credits

BOT 1002: Botany Practical 2 Credits

**Second Year B.S. (Hons)**

**Year wise Course, Marks and Credit distribution**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Marks** | **Credits** |
| BOT 201 |  Higher Cryptogams | 75 | 3 |
| BOT 202 | Taxonomy of Angiosperms | 100 | 4 |
| BOT 203 | Plant Anatomy and Embryology | 100 | 4 |
| BOT 204 | Practical- II | 75 | 3 |
| BOT 205 | Viva-Voce | 50 | 2 |
| CMG 7282 |  Chemistry-II  | 100 | 4 |
| CMGL | Environmental Chemistry  | 50 | 2 |
| ACZ | Zoology- II | 100 | 4 |
| ACZL | Zoology Practical- II | 50 | 2 |
|  |  Total = | **700** | **28** |
|  | English Compulsory | 100 | 4 Credits (Non-Credit) |

**Syllabus for 3rd Year B. S. Hons Course**

|  |  |  |  |
| --- | --- | --- | --- |
| ***33rd* Course Code** | **Course Title** | **Marks** | **Credits** |
| BOT 301 | Gymnosperm, Paleobotany and Palynology | 75 | 3 |
| BOT 302 | Plant Physiology and Plant Nutrition | 100 | 4 |
| BOT 303 | Plant Biochemistry | 75 | 3 |
| BOT 304 | Ecology and Environmental Science  | 100 | 4 |
| BOT 305 | Plant Pathology | 100 | 4 |
| BOT 306 | Cytology and Cytogenetics | 100 | 4 |
| BOT 307 | Genetics | 100 | 4 |
| BOT 308 | Practical III | 75 | 3 |
| BOT 309 | Practical IV | 75 | 3 |
| BOT 310 | Viva-Voce | 50 | 2 |
| **Total** |  | **850** | **34** |

**Fourth Year B. S. Hons.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Marks** | **Credits** |
| BOT 401 | Agronomy and Horticulture | 100 | 4 |
| BOT 402 | Economic Botany, Ethnobotany and Pharmacognosy | 100 | 4 |
| BOT 403 | Limnology and Aquaculture | 100 | 4 |
| BOT 404 | Biodiversity and Evolution | 100 | 4 |
| BOT 405 | Plant Breeding | 100 | 4 |
| BOT 406 | Molecular Biology and Bioinformatics  | 100 | 4 |
| BOT 407 | Biostatistics and Research Methodology | 100 | 4 |
| BOT 408 | Biotechnology and Genetic Engineering | 100 | 4 |
| BOT 409 | Practical V | 75 | 3 |
| BOT 410 | Practical VI | 75 | 3 |
| BOT 411 | Viva-Voce | 50 | 2 |
|  |  | **1000** | **40** |