

Programme Structure of HBT: B.Sc. in Botany (Hons.)

| SEM | CODE | Course Name | Theory/ Prac. | Credit | Study Hours | TE Full Marks | Assig. Full Marks | Total Marks | Pass Marks 30% | SLM Available In | | |
|----------------------------|--|----------------------------|--|--|--|------------------|-------------------------|----------------|----------------------|------------------------|-----|-----|
| 1 st Year | I | CC-BT-01 | 1. Phycology, Microbiology 2. Mycology and Phytopathology, 3. Archegoniatae | Practical | 6 | 180 | 70 | -- | 70 | 21 | BEN | |
| | | CC-BT-02 | Phycology, Microbiology | Theory | 6 | 180 | 50 | 20 | 70 | 21 | BEN | |
| | | AE-BG-11 | * Bengali | Theory | 2 | 60 | 50 | 20 | 70 | 21 | BEN | |
| | | AE-EG-12 | * English | | | | | | | | ENG | |
| | | GE-01: # Refer Table below | | Theory | 6 | 180 | 50 | 20 | 70 | 21 | | |
| | II | CC-BT-03 | Mycology & Phytopathology | Theory | 6 | 180 | 50 | 20 | 70 | 21 | BEN | |
| | | CC-BT-04 | Archegoniatae | Theory | 6 | 180 | 50 | 20 | 70 | 21 | BEN | |
| | | AE-ES-21 | Environmental Studies | Theory | 2 | 60 | 50 | 20 | 70 | 21 | BEN | |
| | | GE-02: # Refer Table below | | Theory | 6 | 180 | 50 | 20 | 70 | 21 | | |
| | 2 nd Year | III | CC-BT-05 | 1. Anatomy, Economic Botany 2. Morphology, Plant Systematics 3. Plant Ecology and Phytogeography | Practical | 6 | 180 | 70 | -- | 70 | 21 | BEN |
| CC-BT-06 | | | 1. Biomolecules and Plant Metabolism 2. Plant Physiology, Reproductive Biology of Angiosperms | Practical | 6 | 180 | 70 | -- | 70 | 21 | BEN | |
| CC-BT-07 | | | Anatomy, Economic Botany | Theory | 6 | 180 | 50 | 20 | 70 | 21 | BEN | |
| GE-03: # Refer Table below | | | Theory | 6 | 180 | 50 | 20 | 70 | 21 | | | |
| SE-BT-11 | | | Medicinal Botany | Theory | 2 | 60 | 50 | 10 | 60 | 18 | ENG | |
| IV | | CC-BT-08 | Morphology, Plant Systematics | Theory | 6 | 180 | 50 | 20 | 70 | 21 | BEN | |
| | | CC-BT-09 | Plant Physiology, Reproductive Biology of Angiosperms | Theory | 6 | 180 | 50 | 20 | 70 | 21 | BEN | |
| | | CC-BT-10 | Biomolecules, Plant Metabolism | Theory | 6 | 180 | 50 | 20 | 70 | 21 | BEN | |
| | | GE-04: # Refer Table below | | Theory | 6 | 180 | 50 | 20 | 70 | 21 | | |
| | | SE-BT-21 | Plant Diversity and Human Welfare | Theory | 2 | 60 | 50 | 10 | 60 | 18 | ENG | |
| | | 3 rd Year | V | CC-BT-11 | 1. Cell Biology 2. Plant Biotechnology 3. Genetics and Molecular Biology | Practical | 6 | 180 | 70 | -- | 70 | 21 |
| CC-BT-12 | | | | Genetics and Molecular Biology | Theory | 6 | 180 | 50 | 20 | 70 | 21 | BEN |
| DS-BT-11 | | | | Stress Biology | Theory | 6 | 180 | 50 | 20 | 70 | 21 | ENG |
| DS-BT-21 | 1. Stress Biology 2. Natural Resource Management 3. Plant Breeding | | | Practical | 6 | 180 | 70 | -- | 70 | 21 | ENG | |
| VI | CC-BT-13 | | Plant Ecology and Phytogeography | Theory | 6 | 180 | 50 | 20 | 70 | 21 | BEN | |
| | CC-BT-14 | | Cell Biology, Plant Biotechnology | Theory | 6 | 180 | 50 | 20 | 70 | 21 | BEN | |
| | DS-BT-31 | | Plant Breeding | Theory | 6 | 180 | 50 | 20 | 70 | 21 | ENG | |
| | DS-BT-41 | | Natural Resource Management | Theory | 6 | 180 | 50 | 20 | 70 | 21 | ENG | |
| | TOTAL | | | | 140 | | | | 1800 | | | |

GE COMBINATION LIST:

| Subject | SEM-I: GE-01 | SLM Available In | SEM-II: GE-02 | SLM Available In | SEM-III: GE-03 | SLM Available In | SEM-IV: GE-04 | SLM Available In |
|-----------|--|------------------------|---|------------------------|--|------------------------|---|------------------------|
| Zoology | GE-ZO-11: Animal Diversity | ENG | GE-ZO-21: Aquatic Biology | ENG | GE-ZO-31: Insect Vector and Disease | ENG | GE-ZO-41: Food, Nutrition and Health | ENG |
| Chemistry | GE-CH-11: Basic Physical Chemistry | ENG | GE-CH-21: Basic Inorganic Chemistry | ENG | GE-CH-31: Basic Organic Chemistry | ENG | GE-CH-41: Application Oriented Chemistry | ENG |
| | | | | | | | ¥ GE-CH-42: Approved MOOCs' | |

* Learners have to choose any one from **AE-BG-11: Bengali** or **AE-EG-12: English** as Ability Enhancement Compulsory Course 1

Learners have to choose any one course from each individual GE group of Semester I, II, III and IV.

¥ Learners willing to choose MOOCs course as an option of study are advise to visit University official website for detailed instruction. In this regard, enrolled learners may communicate with Concerned School of Studies for guidance during their study of the programme