**NEHRU MEMORIAL COLLEGE (AUTONOMOUS))**
**M.Sc., BOTANY Programme - Course Structure**
**Under CBCS (Choice Based Credit System)**
(For the candidates admitted during the year 2018 onwards)

| Sem | Course code | Title of the Course | Hrs/ week | Credits | Exam Hrs. | Marks | | Total |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Int | Ext | |
| | | **Semester – I** | | | | | | |
| I | 18PBY101 | CC-I- Plant Diversity – I (Algae, Fungi, Lichens & Bryophytes) | 4 | 4 | 3 | 25 | 75 | 100 |
| | 18PBY102 | CC-II -Plant Diversity–II (Pteridophytes, Gymnosperms & Paleobotany) | 5 | 4 | 3 | 25 | 75 | 100 |
| | 18PBY103 | CC-III Microbiology, Plant Pathology & Immunology | 5 | 4 | 3 | 25 | 75 | 100 |
| | 18PBY104 | CC-IV Genetics, Plant breeding and Biostatistics. | 5 | 4 | 3 | 25 | 75 | 100 |
| | 18PBY105L | CP-I (Covering CC-I to CC-IV) | 6 | 4 | 4 | 40 | 60 | 100 |
| | 18PBY106 | EC-I – Forestry | 5 | 5 | 3 | 25 | 75 | 100 |
| | | | **30** | **25** | | **165** | **435** | **600** |
| II | 18PBY207 | CC-V Developmental Botany | 6 | 4 | 3 | 25 | 75 | 100 |
| | 18PBY208 | CC-VI Cell and Molecular Biology | 6 | 4 | 3 | 25 | 75 | 100 |
| | 18PBY209 | CC-VII Plant Biochemistry | 6 | 4 | 3 | 25 | 75 | 100 |
| | 18PBY210L | CP-II (Covering CC-V to CC-VII) | 6 | 4 | 4 | 40 | 60 | 100 |
| | 18PBY211b | EC-II – Plant Tissue Culture | 6 | 4 | 3 | 25 | 75 | 100 |
| | | | **30** | **20** | | **140** | **360** | **500** |
| III | 18PBY312 | CC-VIII Plant Physiology | 6 | 4 | 3 | 25 | 75 | 100 |
| | 18PBY313 | CC-IX Plant Systematics | 6 | 4 | 3 | 25 | 75 | 100 |
| | 18PBY314L | CP-III (Covering CC-VIII to CC-IX) | 6 | 4 | 4 | 40 | 60 | 100 |
| | 18PBY315 | EC-III Ecology and Phytogeography | 6 | 4 | 3 | 25 | 75 | 100 |
| | 18PBY316 | EC-IV Biofertilizers Technology | 6 | 4 | 3 | 25 | 75 | 100 |
| | | | **30** | **20** | | **140** | **360** | **500** |
| IV | 18PBY417 | CC-X Research Methodology | 5 | 5 | 3 | 25 | 75 | 100 |
| | 18PBY418 | CP-IV –Research Methodology | 5 | 5 | 3 | 40 | 60 | 100 |
| | 18PBY419 | EC-V – Plant Biotechnology and Genetic Engtineering | 5 | 5 | 3 | 25 | 75 | 100 |
| | 18PBY420P | Project work | 15 | 10 | - | - | 100 | 100 |
| | | | **30** | **25** | | **90** | **310** | **400** |
| | | **Total** | **120** | **90** | **-** | **535** | **1465** | **2000** |