

## SEMESTERWISE DISTRIBUTION OF COURSES AND CREDITS

SEMESTER I				
Course	Title	Theory hrs	Practical hrs	Credi
16P1BOTT01	Microbiology + Phycology	27 + 45	27 + 36	4
16P1BOTT02	Mycology + Crop Pathology	45 + 27	36 + 18	4
16P1BOTT03	Ecology and Environmental Science, Phytogeography & Research Methodology	54 + 18	27 + 9	4
16P1BOTT04	Cell Biology	54	27	3
16P1BOTP01	Practicals of 16P1BOTT01+ 16P1BOTT02			2
16P1BOTP02	Practicals of 16P1BOTT03+ 16P1BOTT04			2
SEMESTER II				
16P2BOTT05	Bryology + Pteridology	36 + 36	18 + 36	4
16P2BOTT06	Plant Anatomy, Principles of Angiosperm Systematics & Morphology	36 + 27 + 9	36 + 27	4
16P2BOTT07	Molecular Biology & Immunology	54 + 18	9 + 18	4
16P2BOTT08	Genetics & Biochemistry	18 + 36	18 + 18	3
16P2BOTP03	Practicals of 16P2BOTT05+ 16P2BOTT06			2
16P2BOTP04	Practicals of 16P2BOTT07+ 16P2BOTT08			2
SEMESTER III				
16P3BOTT09	Taxonomy of Angiosperms	72	45	4
16P3BOTT10	Gymnosperms, Evolution & Paleobotany	27 + 27	27 + 9	3
16P3BOTT11	Plant Physiology & Metabolism	72	36	4
16P3BOTT12	Plant Reproductive Biology, Palynology & Plant Breeding	36+18 + 18	36 + 9 + 18	4
16P3BOTP05	Practicals of 16P3BOTT09+ 16P3BOTT10			2
16P3BOTP06	Practicals of 16P3BOTT11+ 16P3BOTT12			2
SEMESTER IV				
16P4BOTT13	Biotechnology & Genetic Engineering	72	18 + 18	4
16P4BOTT14	Tissue Culture & Microbial Biotechnology	36 + 18	18 + 18	3
16P4BOTT15	Genomics, Proteomics & Bioinformatics.	27+45	18 + 27	4
16P4BOTT16	Biostatistics, Microtechniques & Biophysics	36+ 18+ 18	18 + 27 + 18	4
16P4BOTP07	Practicals of 16P4BOTT13+ 16P4BOTT14			2
16P4BOTP08	Practicals of 16P4BOTT15+ 16P4BOTT16			2
16P4BOTPJ	Research Project			2
16P4BOTCV	Comprehensive Viva Voce			2
<b>TOTAL</b>				<b>80</b>

**Additional Credits (Maximum of 10 Additional Credits during the programme) : Components**

Content	Minimum Hours	Credit
1. Internship	36	2
2. Virtual Lab Experiments	36	2
3. Advanced Learning	36	2