



M.Sc Botany

Semester Wise Subjects in the Entire Curriculum as per NEP 2020

Affiliated to M.J.P Rohilkhand University, Bareilly

M.Sc Botany 1st Year

| M.Sc Botany 1st Semester (ODD) | M.Sc Botany 2nd Semester (ODD) |
|----------------------------------------------------------|---------------------------------------------------|
| 1 Diversity of Algae, Fungi Lichens & Bryophytes | 1 Biomolecules & Cell Biology |
| 2 Diversity of Pteridophytes, Gymnosperms & Paleontology | 2 Molecular Biology |
| 3 Plant Systematic & Reproductive Biology | 3 Genetics |
| 4 Microbiology or Economic & Ethnobotany | 4 Biostatistics or Plant Anatomy |
| 5 Practical Lab 1 | 5 Practical Lab 2 |
| 6 Industrial Training / Research Project / Survey | 6 Industrial Training / Research Project / Survey |
| 7 Industrial Microbiology | 7 Biofertilizers |

M.Sc Botany 2nd Year

| M.Sc Botany 3rd Semester (ODD) | M.Sc Botany 4th Semester (EVEN) |
|---------------------------------------------------|---------------------------------------------------|
| 1 Plant Physiology | 1 Analytical Techniques in Plant Science |
| 2 Growth & Development Biology | 2 Biophysical Chemistry & Bioenergetics |
| 3 Ecology & Evolution | 3 Bioinformatics OR Plant Pathology |
| 4 Plant Breeding & Intellectual Property Rights | 4 Practical Lab 4 |
| OR | 5 Industrial Training / Research Project / Survey |
| 4 Environmental Issues & Policies | 6 Biodiversity & Conservation |
| 5 Environmental Issues Policies | |
| 6 Practical Lab 3 | |
| 7 Industrial Training / Research Project / Survey | |
| 8 Disaster Management | |