PROGRAMME: MASTER OF SCIENCE BOTANY (MSCBOT20)

Year/ Semester: IVth semester Course Code: MBOT-609 Course Name: BIOTECHNOLOGY

Syllabus

BLOCK - I: BIOTECHNOLOGY - I

- Unit –1: Introduction to Plant Tissue Culture and in vitro Morphogenesis
- Unit –2: Anther, Pollen and Ovule Culture
- Unit –3: Cryopreservation of Plant Cells and Tissues and Germplasm storage
- Unit -4: Protoplast Culture and Somatic Hybridization

BLOCK - II: BIOTECHNOLOGY - II

- Unit –5: Transgenic Plants
- Unit -6: Plant Genomics and Proteomics
- Unit –7: Plants Metabolomics
- Unit –8: Intellectual Property Rights and Bio-safety