

COURSE-MOLECULAR BIOLOGY AND BIOTECHNOLOGY (MSCBOT-604)

UNIT SCHEDULE

BLOCK-1 MOLECULAR BIOLOGY

Unit-1- Biomolecules- Classification

Unit-2- Nucleic acids, Protein sorting

Unit-3- Prokaryotic and Eukaryotic regulation of gene expression

BLOCK-2 BIOTECHNOLOGY

Unit-4-Basic concepts, Principles and Scope of Biotechnology

Unit-5-Plant cell, Tissue and Organ culture and Application of Plant Tissue culture

Unit-6-Organogenesis and Adventives embryogenesis

Unit-7-Genetic Engineering

BLOCK-3 BIOSAFETY AND IPR

Unit-8-Bio-and Food-safety, Intellectual Property Rights and Ethical Issues

Unit-9-Biotechnological Application