

BTP 458 GENETIC ENGINEERING

Course outcomes:

After successful completion of the course, students will be able to: CO 1. Use the tools and techniques used in Genetic engineering CO 2. Acquire expertise to use plasmids, vectors

CO 3. Learn to use different RNA, DNA based enzymes

CO 4. Acquire skills in recent techniques in Genetic engineering

Isolation of DNA and RNA from bacteria, plants and yeasts Southern and Northern blotting techniques

Western blotting

Studies on DNA replication

Ti plasmid

Probes

Chromosome mapping

Sequencing

PCR techniques

Construction of cDNA library

Genomics and Proteomics

Study of mutagenesis

