

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 Studies on vectors

Ti plasmid

Probes

Chromosome mapping Sequencing

PCR techniques

Construction of DNA libraries Genomics and Proteomics Study of mutagenesis

