

**Class- M.Sc. (BT) I<sup>st</sup> Semester**

**Subject-Biotechnology**

**Paper I<sup>st</sup> Cell Biology (101)**

2. Cancer
3. Protein Targeting

**Paper II<sup>nd</sup> Biochemistry (102)**

2. Carbohydrate
3. DNA Structure

**Paper III<sup>rd</sup>- Microbiology (103)**

1. Sterilization
2. Microscopic Technique

**Paper IV<sup>th</sup> Molecular Biology (104)**

1. DNA Replication
2. Mendalian Genetics

**Class- M. Sc. (BT) III<sup>rd</sup> Semester**

## **Subject-Biotechnology**

### **Paper I<sup>st</sup> Genetic Engineering (301)**

2. Types of Cloning Vector
3. Transformation of Ti & Ri Plasmid

### **Paper II<sup>nd</sup> Bioprocess Engineering & Technology (302)**

2. Citric Acid
3. Down Stream Processing

### **Paper III<sup>rd</sup> Metabolism: Basic Concept & Design (303)**

1. Glycolysis
2. Pentose Phosphate Pathway

### **Paper IV<sup>th</sup> Plant Biotechnology (304)**

1. Plant Tissue Culture
2. Protoplast Fusion