

Date – 18/09/2020

Class-B.Sc. (BT) III Years

Subject- Chemistry

Paper Ist -Physical Chemistry

Raman Spectrum & UV Spectroscopy.

Or

Valence Bond Model of H₂-ion & M.O. and V.B. models.

Paper IInd -Inorganic Chemistry

Theory of HSAB & Limitations.

Or

Silicones & Phosphazenes.

Paper IIIrd- Organic Chemistry

NMR Spectroscopy.

Or

Organometallic Compounds,

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Class-B.Sc. (BT) III Years

Subject-Botany

Paper Ist- Plant Physiology & Biochemistry

Classification & functions of Carbohydrates.

Or

Mechanism of Respiration- Glycolysis.

Paper IInd- Cell Biology Genetics & Biotechnology

Variation in chromosome Structure.

Or

Basic aspects of Plant tissue culture.

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Class-B.Sc. (BT) III Years

Subject-Biotechnology

Paper Ist- Molecular Biology & Genetic Engineering

DNA Replication

Or

Types of Cloning Vector.

Paper IInd- Applied Biotechnology

Production of Transgenic Plants.

Or

Plant Tissue culture & Its Techniques.

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Class- M.Sc. (BT) IIIrd Sem.

Subject-Biotechnology

Paper Ist - Genetic Engineering.(301)

Animal cloning vector & its Types.

or

Blotting Techniques

Paper IInd - Bioprocess Engineering and Technology. (302)

Bioreactor

or

Single Cell Protein (SCP)

Paper IIIrd - Metabolism : Basic Concept and Design.(303)

Glycolysis

or

Krebs cycle

Paper IVth - Plant Biotechnology.(304)

Plant Tissue Culture & its Techniques.

or

Protoplast Fusion.

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Class-M.Sc. (BT) IVth Sem.

Subject-Biotechnology

Paper Ist – Bioinformatics. (401)

Overview of Bioinformatics.

or

Drug Design.

**Paper IInd - Entrepreneurship in Biotechnology & Intellectual
Property Rights. (402)**

Quality control in Biotech Industries.

or

IPR & Technology transfer.