

B.Sc. III Sem VI

Student study and learn about Isolation of DNA by crude method

Student learn to Estimation of DNA by Diphenylamine method

Student learn to Estimation of RNA by Orcinol method

Students obtained knowledge of DNA Electrophoresis from its Demonstration

Students learn and observe the Demonstration of double helical model of DNA

Students obtained knowledge of AC-DS System in Maize kernel from its Demonstration

Students obtained knowledge of Centrifugation from its Demonstration

### **III) Biotechnology (Any Six)**

Student learn about Working Principle and application of Autoclave

Student learn about Working Principle and application of Laminar Air Flow

Student learn about Cleaning and Sterilization of Glassware

Student learn about Sterilization of Explant

Student learn about Inoculation of Explant

Students obtained knowledge of in vitro culture techniques – anther and pollen culture from its Demonstration

Student learn about Isolation of Protoplast by Mechanical Method

Student learn about Isolation of Protoplast by Enzymatic Method

Students obtained knowledge of technique of Micropropagation from its Demonstration

Student learn about Preparation of Artificial Seed

Students obtained knowledge of hardening of tissue culture plant from its

Demonstration

Student learn about Preparation of Tissue culture media

Students obtained knowledge of Pollen viability test.