

Department of Biotechnology

Programme outcome

B.Sc. Biotechnology

After awarding Bachelor degree B. Sc. With Biotechnology students will be able to understand:

PO1- The field biotechnology teaches about biological Sciences that manipulate living organisms and biological systems.

PO2- Biotechnology teaches about to produce products that advance the mankind.

PO3- That manipulation and advanced product help to improve healthcare, medicine, agriculture, food, Pharmaceutical and environmental control..

PO4- On successful completion of the subject the student should have understood crop development, animal tissue culture, animal product and production and improvement of them.

PO5- To make the students to understand the concept of gene and their behaviour basic Genetics and their role.

Programme Specific outcomes

B.Sc. Biotechnology

BSc - III

PSO1- In this course they are specifically learn about the plants and their culture technique.

PSO2- They also understand about immune system how different disease function and how our body react to them.

BSc – II

PSO1- This course emphasising about the molecular basics of genetics and fundamental of genetics..

PSO2- To learn about the recombinant DNA technologies and gene transfer mechanism.

BSc – I

PSO1- Course emphasizing about the biochemistry and microorganisms.

PSO2- This course also in precise about food technology by a physical science where they are also study about instrument that are used in all the Laboratories

Course outcome

B.Sc. Biotechnology

B. Sc. I (A)

Biochemistry Biostatics and computer

CO1- Students understand about basics of biomolecules, their structure, properties and functions.

CO2- They also understand about basics of biostatics.

CO3- This course also help to understand about basics of computer -hardware, software, input, output devices.

B. Sc. I (B)

Cell biology Genetics and microbiology

CO1- To make the student to understand the concept of cells and their activities, cell division and cell death.

CO2- To make the student to understand the microbial physiology.

CO3- To make the student to understand basics of genetic.

B. Sc. II (A)

Molecular biology and Biophysics

CO1- To learn fundamentals of Molecular Biology

CO2- Enables the student to get sufficient knowledge of principle and application of bio-Instruments.

CO3- To Learn about basic techniques of biophysics.

B. Sc. II (B)

Recombinant DNA technology and genomics

CO1- This course presents the mechanism of gene manipulation to make the student to understand the concept of gene transfer Technologies.

CO2- Acquire knowledge of Recombinant DNA technology.

CO3- They about basics of Bioinformatics and their applications.

B. Sc. III (A)

Plant environmental and industrial biotechnology

CO 1- This course presents the application of plant in biotechnology.

CO2- The students would have understood crop development, callus culture, biotechnological application of plants.

CO3- The Student understand about basics of environmental biotechnology

CO4-They will also learn about bioprocess engineering and food technology.

. B. Sc. III (B)

Immunology animal and medical biotechnology

CO1- Students should understand about defence mechanism of humans.

CO2- Students should understand about the disease and their working mechanism.

CO3- Students should understand all basic techniques of immunology.

CO4- They also learn about animal tissue culture.