

**Sri Kaliswari College (Autonomous), Sivakasi**

**Department of Biotechnology**

**B.Sc. Biotechnology (Semester) - (2018-2021)**

**Objectives, Outcomes, Regulation**

**Programme Objectives:**

- To explain the students about the basic techniques used in biotechnology.
- To enable the students to understand about the basic concepts of Modern Biotechnology
- To impart knowledge to the students about the application of biotechnology in the environment.
- To provide a thorough knowledge about structure and function of Cells, bio molecules and cellular development..
- To gain knowledge about the mutation and population Genetics
- To provide familiarity with basic biochemistry laboratory techniques.

**Programme Outcomes:**

**Knowledge:**

PO 1: Well grounded knowledge in chosen subjects.

PO 2: Updated knowledge related to the subjects.

**Skills:**

PO1: Acquisition of cognitive skills.

PO2: Acquisition of Life skills for employment.

**Attitude:**

PO1: Holistic Personality Development through Self- directed and lifelong learning.

PO2: Eco Sensitivity, inclusive culture, moral upright less and social commitment

**Programmes Specific Outcomes:**

- **Knowledge:** Core course of Biotechnology to improve their knowledge and understating of the subject.
- **Skill Development:** Practical training in all aspects of biotechnology.
- **Higher level ability:** Technical skills like Plasmid DNA isolation, Isolation of bacteriophage&Phage titration, Preparation of serum, ELISA, Western blotting, Agarose Gel Electrophoresis, PCR develop higher level ability.

- **Progression to higher studies:** In-depth knowledge on Cell biology, Genetics, Biochemistry, Microbiology, Molecular biology, Immunology, Animal Biotechnology, rDNA technology, Plant biotechnology learned three years equip students to go for higher studies.

## **Regulation**

**Duration of the programme:** Three years (equivalent to six semesters)

## **Eligibility:**

A Candidate who have passed higher secondary examinations( 10 +2) conducted by the Board of Higher Secondary Education, Govt of Tamil Nadu or any other state board examinations accepted as Equivalent thereto by the syndicates subject to such conditions.

- a) Biology/ Physics/ Chemistry as subjects in the higher secondary education
- b) Candidates should have secured at least 60% in the above subjects and above in aggregates
- c) A relaxation of 10% marks in the aggregate will be given to SC/ST candidates

**Medium of Instruction** : English

## **Age Limit:**

Max age limit : 21 Years

## **Age Relaxation:**

SC/ST/OBC/MBC/DNC & Women : 3 years age relaxation

Differently Abled Students : 5 years age relaxation

## **Transitory Permission:**

Students joined from 2018 - 2021 may be permitted to write their examinations in this pattern up to April 2026.