

B.Sc. Semester - 1 (NEP-2020) Examination

OCT/NOV-2024

BIT: Introduction to Biotechnology (Multidisciplinary Course)

Time: 2:00 Hours

Marks: 50

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que-1 Define Biotechnology. Discuss in detail about its application. (10)

OR

Write in detail about future and scope of biotechnology.

Que-2 Explained in detail about eukaryotic cell organization. (10)

OR

Elaborate on structure and functions of bacterial and virus.

Que-3 A detailed note on cytoplasmic membrane. (10)

OR

Write a detailed note on ER and golgi bodies.

Que-4 What is Mitosis? Explain in detail. (10)

OR

What is nucleus? A detailed note on chromosomes.

Que-5 (A) Recombinant DNA technology. (05)

(B) Explain the diversity in prokaryotic cell size and shape. (05)

OR

(A) Suicidal bag of cell. (05)

(B) A brief note cell cycle. (05)
