

2303001301010002
EXAMINATION NOVEMBER 2024
BACHELOR OF SCIENCE (BIOTECHNOLOGY) (NEP)
(FIRST SEMESTER)
MAJOR : CELL BIOLOGY - LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 38]

Instructions:

1. Fill up strictly the following details on your answer book

a. Name of the Examination: **BACHELOR OF SCIENCE (BIOTECHNOLOGY) (NEP) (FIRST SEMESTER)**

b. Name of the Subject: **MAJOR : CELL BIOLOGY - LEVEL 1**

c. Subject Code No: **2303001301010002**

2. Sketch neat and labelled diagram wherever necessary.

3. Figures to the right indicate full marks of the question.

4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Define/Answer in short Any Eight

8

1. What is the primary function of the plasma membrane in a cell?
2. Who proposed the cell theory?
3. In plant cells, what is the main component of the cell wall?
4. How many Numbers of Tail & Head in Plasma membrane?
5. Which cell organelle is known as suicidal bag?
6. Define: Cytosol.
7. In which phase of mitosis do the sister chromatids separate and move to opposite poles?
8. What is the name of the stage in meiosis where genetic material is exchanged between homologous chromosomes?
9. What is the key difference between meiosis and mitosis?

Q.2 Attempt Any Two:

10

1. Describe the cell wall of plant cell.
2. Explain the role of the plasma membrane.
3. Give a brief note on Cell theory.

Q.3 Attempt Any Two:

10

1. Write Structure & functions of ER.
2. Give a note on Peroxisome.
3. Explain functions of nucleus.

Q.4 Attempt Any Two:

10

1. What is Telophase? Write a note on Mitosis.
2. Write a note on Control of cell cycle.
3. Write a detailed note on Meiosis.

*****END*****