

1903000202030112
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (FIRST YEAR)
(SECOND SEMESTER)
BIO SCIENCE (MICROBIOLOGY) PAPER - II
(EUCARYOTIC CELL STRUCTURE AND FUNCTION)

[Time: As Per Schedule]

[Max. Marks: 50]

Instructions:

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

- a. Name of the Examination : **BACHELOR OF SCIENCE (FIRST YEAR)(SECOND SEMESTER)**
 - b. Name of the Subject : **BIO SCIENCE (MICROBIOLOGY) PAPER - II (EUCARYOTIC CELL STRUCTURE AND FUNCTION)**
 - c. Subject Code No : **1903000202030112**
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 Answer as directed:

12

1. Differentiate between mitosis and meiosis.
2. What are the functions of the ribosome?
3. Why lysosomes are known as suicide bag?
4. Enlist the membrane bound organelles.
5. Explain cell cycle
6. Describe in brief cell theory.

Q.2 Answer any two of the followings.

14

1. Describe in brief ultra-structure & functions of mitochondrion.
2. Draw a neat & labelled diagram of ultra structure of membrane.
3. Write a note on Cilia & Flagella.

Q.3 Answer any two of the followings.

14

1. Draw a neat & labelled diagram of Chloroplast.
2. Write a note on – Chromosome
3. Describe in brief various stages of mitosis.

Q.4 Write short notes: (Any two)

10

1. Structure & function of Lysosome.
2. Ultra structure of ER
3. Polytene chromosome
