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(20524)
B.Sc. (Micro)-II Year

(Printed Pages 3)
Roll No.

3494

B.Sc. (Micro) Examination, May-2024

CELL BIOLOGY

(B-201)

[B.Sc. (Micro)]

Time : Three Hours] [Maximum Marks : 40

Note : Answer any **five** questions. **All** questions carry equal marks. Draw neat and well labelled diagrams wherever required.

1. What is cell? Discuss about the cell theory and give a detailed classification of cell types within an organism.

OR

2. Describe the structure and functions of bacterial cell wall.

3. Discuss about the structure and functions of mitochondria.

OR

4. Write notes on:

(a) Nucleus

(b) Peroxisomes

5. Write detailed account of ultrastructure of golgi complex and explain the role of golgi complex in secretory pathway in a cell.

OR

6. Describe the fluid mosaic model of plasma membrane.

7. What is phagocytosis? Describe the role of lysosomes in phagocytosis.

OR

8. Describe the different levels of cell organization in an organism.

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✓9. Write notes on:

(a) RER

(b) Nucleoplasm

OR

10. Write notes on:

(a) Cilia and Flagella

(b) Microtubules