

Roll No.

Total Pages : 2

BT-2/M-22

42040

BIOLOGY

Paper-ES-141A

Time Allowed : 3 Hours]

[Maximum Marks : 75

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. All questions carry equal marks.

UNIT-I

1. Draw the ultrastructure of cell and explain any two organelles. 15
2. (a) Classify the organisms on basis of Energy and carbon utilization. 15
- (b) Differentiate between plant and animal cell. 15

UNIT-II

3. Explain different types of protein structures. 15
4. Explain different classes of enzymes and write about enzyme action. 15

UNIT-III

5. Explain types of cell division and their significance. 15
6. What are the morphological features for characterization of Fungi and virus how are they beneficial for human beings. 15

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UNIT-IV

7. Explain the process of glycolysis.

15

8. Write notes on the following :

(a) BIOMEMS

(B) Biosensors.

15