

BT-I/D-20**41043****BIOLOGY****Paper : BS-141A**

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *five* questions in all, selecting at least *one* question from each unit.

UNIT-I

1. Describe the ultrastructure and function of nucleus and mitochondria. 15
2. Classify the organisms on the basis of energy and carbon utilization. 15

UNIT-II

3. Describe the general classification and important function of proteins. 15
4. Describe the effect of temperature, Ph enzyme and substrate concentration on the activity of enzymes. 15

UNIT-III

5. Write short notes on :
(a) Mendel Laws of Inheritance. 7.5
(b) Genetics of Blood Group. 7.5
6. Describe the meiosis and its genetic significance. 15

UNIT-IV

7. Write short notes on :
(a) Glycolysis. 7.5
(b) Methods of sterilization. 7.5
8. Describe the various role of biology in detail. 15
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