

1903000203020073
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (THIRD SEMESTER)
MEDICAL LABORATORY TECHNOLOGY PAPER – VII
GENERAL BIOCHEMISTRY: I

[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 (THIRD SEMESTER)**
 - b. Name of the Subject : **MEDICAL LABORATORY TECHNOLOGY PAPER - VII GENERAL BIOCHEMISTRY: I**
 - c. Subject Code No : **1903000203020073**
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 in short:

8

1. Explain epimers giving a suitable example.
2. What is rancidity?
3. Globular protein v/s fibrous protein.
4. Enlist the factors affecting enzyme activity.

Q.2 Attempt any two of the following:

14

1. Discuss the chemical properties of monosaccharides.
2. Give the classification of lipids.
3. Explain α -helix structure of protein.

Q.3 Answer any two of the following:

14

1. Describe structure of cholesterol.
2. Explain reversible and irreversible enzyme inhibition.
3. Classify the amino acids based on their structure and polarity.

Q.4 Write short notes on any two:

14

1. Disaccharides
2. Protein denaturation
3. Isoenzymes of LDH
