

**1903000203020073**  
**EXAMINATION DECEMBER 2024**  
**BACHELOR OF SCIENCE ( NON-NEP ) (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: **08**
1. Which sugars form osazone crystals?
  2. Define amphipathic lipids giving suitable examples.
  3. Which bonds are present in tertiary structure of protein?
  4. Define: (i) International unit (ii) Katal
- Q.2** Attempt any two of the following: **14**
1. Enlist the chemical properties of monosaccharides and explain any four properties.
  2. Discuss the properties of triglycerides.
  3. Explain the classification of amino acids based on structure and polarity.
- Q.3** Answer any two of the following: **14**
1. Explain the primary structure of protein.
  2. Describe structure of cholesterol.
  3. Discuss the mechanism of enzyme action.
- Q.4** Write short notes on any two: **14**
1. Homopolysaccharides
  2. Protein denaturation
  3. Co-enzymes

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