


RAN-2503000505047001
T.Y.B.Sc. NEP (Sem. V) Examination October - 2025
Medical Laboratory Technology
Basics of Biochemistry - 1 (MLT - ME - 501)
Time: 2 Hours]
[Total Marks: 25
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) Draw the figures wherever required.
- (3) Figures to the right indicate the marks.

Seat No.:

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Student's Signature

Q-1. Answer the following in short: (Any 5) (05)

1. Carbohydrates are classified in how many classes?
2. Enlist physical properties of monosaccharide.
3. What are heteropolysaccharides?
4. Define compound lipids.
5. What are saturated fatty acid? Give examples.
6. Write any two functions of lipid.

Q-2. Answer the following: (Any 2) (10)

1. Enlist chemical properties of monosaccharides and explain any two in detail.
2. Write a note on mucopolysaccharides.
3. Reducing and non-reducing sugars.

Q-3. Answer the following: (Any 2) (10)

1. What are phospholipids? Give detail account on glycerophospholipids.
2. What are lipids? Explain its classification.
3. Give structure properties and functions of cholesterol.