


RAN-2503000504046001
S.Y.B.Sc. (NCF-NEP) (Sem. IV) Examination April - 2026
MB-ME-401 Biomolecules Theory
Time: 1 Hour]
[Total Marks: 25

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book. (2) Figures to the right indicate full marks of the question. (3) Draw neat and labelled diagrams wherever necessary.	Seat No.: Student's Signature
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Q. 1 Answer in short/one word. (Any five out of six) (05)

- a. Which amino acid contains imino group ?
- b. _____ type of protein structure is consisting of linear sequence of amino acids.
- c. Define : Invert sugar.
- d. State any two examples of complex lipid.
- e. Define : Rancidity.
- f. _____ sugar is present in the structure of DNA.

Q. 2 Give brief answer on following: (Any two out of three) (10)

- a. Explain various properties of protein in detail.
- b. Define carbohydrates and explain their classification with examples.
- c. What are Heteropolysaccharides. Explain any two heteropolysaccharides in detail.

Q. 3 Write a short note on: (Any two out of three) (10)

- a. RNA v/s DNA.
- b. Structure and functions of tRNA.
- c. Fatty acids.