

RAN-2303000501036003 / 2403001301036001
F.Y.B.Sc. (Microbiology) (NCF-NEP) (Sem. - I) Examination November - 2025
MB-ME-102 : Essentials of Biochemistry - Microbiology (Paper- I)
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.:

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Student's Signature

Q.1. Give Specific answers (Any five):
(05)

- a. Give an example of molecule.
- b. Define: Acids
- c. What is an ionic bond?
- d. What are monosaccharides?
- e. What is an active site of an enzyme.
- f. State any one example of biological buffer.

Q.2. Explain/comment on any two of the following:
(10)

- a. Hydrogen bonds form between polar molecules.
- b. Amphipathic compounds contain both polar and non-polar regions.
- c. Write a brief note on Atoms.

Q.3. Write short notes on any two of the following:
(10)

- a. Phospholipids are important components of cell membranes.
- b. Chemical structure of DNA.
- c. Competitive and non-competitive enzyme inhibitions.