



RAN - 2503000504046001

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S. Y. B. Sc. (Sem. - IV) Examination April - 2025

Minor - Microbiology - 401 - MB-ME-401 : Biomolecules

Time: 1 Hour]

[Total Marks: 25

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

S. Y. B. Sc. (Sem. - IV)

Name of the Subject :

Minor - Microbiology - 401 - MB-ME-401 : Biomolecules

Subject Code No.: **2503000504046001**

Seat No.:

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Student's Signature

- (2) Sketch neat and labelled diagram wherever necessary.
- (3) Figures to the right indicate full marks of the question.
- (4) All questions are compulsory.

Q. 1. Answer the following questions (any FIVE)

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1. Name the two basic amino acids.
2. Name the two aromatic amino acids.
3. State two examples of polysaccharides along with formula.
4. What is Inulin? State its significance.
5. What is saponification number?
6. How many forms of DNA exists in nature? Which is the most favourable one?

Q. 2. Write short note on the following (any TWO)

10

1. Write in detail classification of amino acids.
2. Write a detailed note on disaccharides & polysaccharides.
3. Explain in detail phospholipids.

Q. 3. Write short note on the following (any TWO)

10

1. Functions of Nucleic Acids.
2. Classification of carbohydrates.
3. Fatty acids.