



Seat No. : _____

NO-123

November-2025

B.Sc., Sem.-III (NEP)

MDC-MIC-234 T : Microbiology

(Introduction to Biomolecules)

Time : 1:00 Hour]

[Max. Marks : 25

- Instructions :**
- (1) All questions are compulsory.
 - (2) Figures on the right indicates marks.
 - (3) Mention correct question number against the answer.
 - (4) Draw figures wherever necessary.

1. Explain structure and functions of disaccharides with examples. **10**

OR

1. (A) Write a note on classification of lipids. **5**

1. (B) Describe biological importance of polysaccharides. **5**

2. Write a descriptive note on the classification of proteins. **10**

OR

2. (A) Draw double helical structure of DNA and write its salient features. **5**

2. (B) Write a short note on the α -helical structure of proteins. **5**

3. Give short and specific answers in **1-2** lines only : (any **Five** out of **Six**) **5**

- (1) Which bond joins glucose units in starch ?
 - (2) Give one example of a pentose sugar.
 - (3) What are epimers ?
 - (4) Write one difference between nucleoside and nucleotide.
 - (5) Name the simplest amino acid.
 - (6) What is the function of m-RNA ?
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