



RAN-2403000503037001

S.Y.B.Sc. (Med. Tech.) (Sem. - III) Examination November - 2025
MLT-MJ : 303 : General Biochemistry (Major - 3) (Paper - MLT-MJ-303)

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.	Seat No.: <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> Student's Signature						

Q. 1. Answer in short: (Any Ten) (10)

1. In how many classes carbohydrate is classified?
2. Write any 2 examples of non-reducing disaccharide.
3. What is homopolysaccharide?
4. Write two properties of fatty acid.
5. Write two examples of phospholipid?
6. Define simple lipid.
7. Which is simplest amino acid?
8. Two amino acids are joined by which linkage?
9. Write two properties of primary structure of protein
10. Who is founder of DNA structure?
11. Which are different types of DNA?
12. Which are components of nucleotide?

Q. 2. Attempt any Two short note of the following: (10)

1. What is disaccharide? Write its types and explain in brief
2. Write a note on Mucopolysaccharide.
3. Explain osazone formation property of carbohydrate.

Q. 3. Attempt any Two of the following: (10)

1. What are Biological role of lipid?
2. What is compound lipid? Enlist examples and draw structure of any three phospholipids.
3. Write a note in PUFA.

Q. 4. Attempt any Two short note of the following: (10)

1. Draw structure of Amino acids
2. What is denaturation of protein? enlist denaturing agents and write properties of denatured protein.
3. Explain tertiary structure of protein

Q. 5. Attempt any Two short note of the following: (10)

1. Nucleoside
2. Structure of DNA
3. DNA Vs RNA