


RAN-2403000503037001
S. Y. B. Sc (Med. Tech) (Sem.-III) - Examination March - 2026
MJ-303-General Biochemistry (Major-3)
MLT-MJ-303 - General Biochemistry
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.: Student's Signature
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- Q-1. Answer in short: (Any Ten) 10**
- 1) Define polysaccharide.
 - 2) Write any 2 examples of reducing sugars.
 - 3) What is epimers?
 - 4) Write two properties of cholesterol.
 - 5) What is Sphingophospholipid?
 - 6) Write examples of derived lipid.
 - 7) What are simple protein?
 - 8) How many structures are present in protein having more than two polypeptide chains?
 - 9) Define essential amino acids.
 - 10) Which are variants of DNA?
 - 11) What is function of rRNA?
 - 12) Give examples of any two nucleotide.
- Q-2. Attempt any Two short note of the following: 10**
- 1) What is Carbohydrate? Write biological importance of it.
 - 2) Write a note on Starch.
 - 3) Explain Physical properties of monosaccharide.
- Q-3. Attempt any Two of the following: 10**
- 1) What are Biological role of lipid?
 - 2) What is Triglyceride? Explain its structure and function
 - 3) Write a note on Cholesterol.
- Q-4. Attempt any Two short note of the following: 10**
- 1) Give classification of Amino acids based on structure.
 - 2) Discuss biological role of protein
 - 3) Explain primary structure of protein
- Q-5. Attempt any Two short note of the following: 10**
- 1) Nitrogen base.
 - 2) Structure of t-RNA.
 - 3) Biological functions of Nucleic acid.