


RAN-2503000505037001
T.Y.B.Sc. (NEP) (Sem. V) Examination March - 2026
MLT-MJ-503 : Clinical Biochemistry - 1
Medical Laboratory Technology
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) All Questions are Compulsory	Seat No.: Student's Signature
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Q.1. Answer in one or two sentences: (Any 05) (05)

1. Give normal range for Total Protein and albumin.
2. Write full form of CK. What is the importance of CK-MB?
3. What is the normal ratio of Bicarbonate buffer and Phosphate buffer?
4. Write 2 functions of plasma proteins.
5. What is Respiratory Acidosis?
6. Define buffer. Name two blood buffers

Q.2. Write short notes: (Any 2) (10)

1. Isoenzymes of ALP and its importance.
2. Functional Vs Non Functional plasma enzymes.
3. Which methods are used for Separation of plasma proteins? Explain.

Q.3. Write short notes: (Any 2) (10)

1. Ammonia mechanism of kidney in regulation of pH.
2. Respiratory Alkalosis
3. Haemoglobin as blood buffer.