



RAN-2203230202030001

PGDMLT (Sem. II) Examination March - 2026

PGDMLT - 2003 : Clinical Biochemistry

Time: 3 Hours]

[Total Marks: 70

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 7) (14)**
1. Define Electrolytes with suitable examples
 2. Write any 4 functions of Liver.
 3. Give normal range for FBS and PPBS.
 4. Define: Glycolysis and Glycogenesis.
 5. Write functions of albumin.
 6. What are cell derived and plasma derived enzymes? Give examples.
 7. Define Simple lipids giving examples.
 8. Describe role of HDL in the body.
- Q. 2 Answer any two of the following. (14)**
1. Describe Diabetes Mellitus in brief and enlist Diabetic profile test.
 2. Short note: HbA1c and its determination.
 3. Give Definition, Classification and Functions of Carbohydrate with suitable examples.
- Q. 3 Answer any two of the following. (14)**
1. What are Isoenzymes? Explain Iso-Enzymes of any one enzyme in detail.
 2. Plasma proteins performs varieties of function, justify
 3. Write a note on causes of Hypoproteinemia.
- Q. 4 Answer any two of the following. (14)**
1. List down lipid profile tests. Describe principle and clinical significance of Triglyceride Test.
 2. Describe metabolism of Chylomicrons and VLDL.
 3. Define Lipids with suitable examples. Write down different biological functions and classification chart of Lipid.
- Q. 5 Answer any two of the following. (14)**
1. What is SGPT and SGOT? Describe in detail "SGOT determination".
 2. Cobalamin: Daily requirements, Sources, Functions, Estimations, and Clinical Significance.
 3. Short note: TFT.