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**RAN-2203230202030001**

**PGDMLT (Sem. - II) Examination March - 2025**

**PGDMLT - 2003 : Clinical Biochemistry**

**Time: 3 Hours ]**

**[ Total Marks: 70**

**સૂચન : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:

PGDMLT (Sem. - II)

Name of the Subject :

PGDMLT - 2003 : Clinical Biochemistry

Subject Code No.: 2203230202030001

Seat No.:

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Student's Signature

**Q. 1. ANSWER IN SHORT (Any 7)**

**14**

1. Define Derived lipids with examples.
2. Which are major proteins present in plasma? Name methods of separation of it.
3. Define carbohydrate and write its brief classification.
4. Which is good cholesterol? Why?
5. SGPT level is increased in which clinical conditions?
6. Write down different functions of Kidney.
7. Which hormones regulate blood glucose level?
8. Define Katal. 1 nkat = \_\_\_\_\_ U.

**Q. 2. ANSWER ANY TWO OF THE FOLLOWING**

**14**

1. What is Diabetes Mellitus? Write its clinical types and metabolic changes.
2. What is normal range of Blood Glucose level? Write its Clinical Significance.
3. Give Definition, Classification and Functions of Carbohydrate with suitable examples.

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**[ 1 ]**

**[ P.T.O. ]**

**P0273**

- Q. 3. ANSWER ANY TWO OF THE FOLLOWING 14**
1. Give Definition and Classification of Protein with suitable examples.
  2. Write a note on Hypogammaglobulinemia
  3. Electrophoretic pattern of serum protein fractions helps in diagnosis of various diseases. Justify giving examples.
- Q. 4. ANSWER ANY ONE OF THE FOLLOWING 14**
1. Write an Essay on : Lipoprotein Metabolism
  2. i. Enlist and explain factors affecting Blood cholesterol level  
ii. Determination of TG
- Q. 5. ANSWER ANY TWO OF THE FOLLOWING 14**
1. Functions, classification and Kidney function test.
  2. Write a note on Determination of Chloride
  3. Write function, normal range and laboratory diagnosis of Thyroid hormone
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