

2203230202030001
EXAMINATION NOVEMBER 2024 (ATKT EXAM)
POST GRADUATE DIPLOMA IN MEDICAL LABORATORY
TECHNOLOGY (SECOND SEMESTER)
CLINICAL BIOCHEMISTRY (THEORY) - LEVEL 3

[Time: As Per Schedule]

[Max. Marks:70]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **POST GRADUATE DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (SECOND SEMESTER)**
 - b. Name of the Subject : **CLINICAL BIOCHEMISTRY (THEORY) - LEVEL 3**
 - c. Subject Code No : **2203230202030001**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 ANSWER IN SHORT (Any 7)

14

1. Define Simple lipids giving examples.
2. Enlist factors influencing blood cholesterol level.
3. Define Electrolytes and give 2 examples.
4. Write full form of TSH and write name of method used for its determination?
5. Define Katal and write its relation with IU
6. What is GTT? Enlist the types of GTC
7. Write full form of LDH and enlist its isoenzymes
8. Enlist hormones involved in regulation of blood glucose.

Q.2 ANSWER ANY TWO OF THE FOLLOWING

14

1. Enlist Diabetic profile test and explain any one in detail
2. Explain classification of Carbohydrate.
3. What is GHb? Write its determination methods.

Q.3 ANSWER ANY TWO OF THE FOLLOWING

14

1. Write a brief note on determination and clinical significance of Plasma Total protein
2. Alkaline phosphatase and its isoenzymes
3. What are functional and nonfunctional enzymes? Give example of it. Explain the causes which increase and decrease serum enzyme level

Q.4 ANSWER ANY TWO OF THE FOLLOWING

14

1. List down Lipid Profile Tests. Describe principle and clinical significance of Triglyceride Test.
2. What are Lipoproteins? Explain metabolism of Chylomicron in detail.
3. Write down different biological functions of Lipids.

Q.5 ANSWER ANY TWO OF THE FOLLOWING

14

1. What is the full form of SGOT? Write principle, procedure, clinical significance and normal range of SGOT.
2. Define Hormones. Explain any one method for determination of TSH.
3. Give classification of Renal Function Test.
