

2003000205020073
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (FIFTH SEMESTER)
MEDICAL LABORATORY TECHNOLOGY-XIII (MLT-13-
CLINICAL BIOCHEMISTRY AND ENZYMOLOGY) - LEVEL 2

[Time: As Per Schedule]

[Max. Marks:50]

Instructions:

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

- a. Name of the Examination: **BACHELOR OF SCIENCE (FIFTH SEMESTER)**
 - b. Name of the Subject: **MEDICAL LABORATORY TECHNOLOGY-XIII (MLT-13-CLINICAL BIOCHEMISTRY AND ENZYMOLOGY) LEVEL-2**
 - c. Subject Code No: **2003000205020073**
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 Eight)

8

1. Name the hormones involved in increase blood sugar level.
2. Give normal range of serum cholesterol.
3. Enlist major plasma proteins.
4. Enlist isoenzymes of CK.
5. Define Glycosuria.
6. What is arthrosclerosis?
7. Draw electrophoretic pattern of protein fraction in nephrosis.
8. Define functional enzyme with example.
9. What is abetalipoproteinemia?

Q.2 Write short note: (Any Two)

14

1. What is GTT? Enlist its type. Explain any one type in detail.
2. Explain separation of plasma lipid in detail.
3. Enzymes are used as diagnostic reagent, justify.

Q.3 Write short note: (Any Two)

14

1. Explain metabolism of VLDL in detail.
2. Describe functions of plasma proteins.
3. Enlist the enzymes involved in liver disease. Explain two major enzymes in detail

Q.4 Write short note on: (Any Two)

14

1. Glycosylated haemoglobin
2. A: G ratio
3. LDH
