

2003000204020073
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (FOURTH SEMESTER)
MEDICAL LABORATORY TECHNOLOGY-X
(MLT-10-GENERAL BIOCHEMISTRY-II)

[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 (FOURTH SEMESTER)**
- b. Name of the Subject : **MEDICAL LABORATORY TECHNOLOGY-X (MLT-10-GENERAL BIOCHEMISTRY-II)**
- c. Subject Code No : **2003000204020073**

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 Four)

8

1. Give examples of two steroid and non-steroid hormone.
2. What is Chargaff's rule?
3. Write functions of calcium.
4. What is DNA? Enlist the types of DNA.
5. What is vitamin? Enlist fat soluble vitamins.

Q.2 Attempt any Two short note of the following:

14

1. Explain role of phosphatidyl inositol and calcium as a secondary messenger.
2. Write a note on chloride.
3. Explain components and structure of nucleoside.

Q.3 Attempt any Two of the following:

14

1. Define mineral. Explain general functions and classification of mineral.
2. Explain vitamin B₁₂ in detail.

3. Justify - Vitamin D is a hormone and not a vitamin.

Q.4 Attempt any Two of the following:

14

1. Nuclear receptor mechanism.
2. Sodium.
3. tRNA
