

2403001302010002
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (SECOND SEMESTER) (NEP)
BIO.TECH
MAJOR : BIOMOLECULES - LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 35]

Instructions:

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

- a. Name of the Examination: **BACHELOR OF SCIENCE (SECOND SEMESTER) (NEP) BIO.TECH**
- b. Name of the Subject: **MAJOR : BIOMOLECULES - LEVEL 1**
- c. Subject Code No: **2403001302010002**

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 Five).

5

- a) Give difference between Epimers and Anomers.
- b) Define hn RNA with its function.
- c) Define non-protein amino acids.
- d) Give example of filamentous proteins.
- e) What is 18:2 n-6?
- f) Give the hydrogenation reaction of TG.

Q.2 Short note: (Any Two)

10

- a) Classification of carbohydrates.
- b) Structure of DNA.
- c) Justify the role of carbohydrate as information molecule.

Q.3 Short note: (Any Two).

10

- a) Classification of amino acids.
- b) Properties of protein.
- c) Structure of protein.

Q.4 Short note: (Any Two).

10

- a) Classification of lipid.
- b) Properties of lipid.
- c) Biological role of lipids.
