

2303001301010002
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (BIO TECHNOLOGY)
(FIRST SEMESTER) NEP
MAJOR : CELL BIOLOGY - LEVEL 1
(BT-MJ-102)

[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 (BIO TECHNOLOGY) (FIRST SEMESTER)**
 - b. Name of the Subject : **CELL BIOLOGY**
 - c. Subject Code No : **2303001301010002**
2. Draw 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 Short Question/One word answer (Any FIVE):

5

- (a) Name the membrane around the vacuole.
- (b) Name the protein present in microfilaments.
- (c) Who gave the name Ribosome?
- (d) Name the Endoplasmic reticulum, which is responsible for synthesis of steroid hormone.
- (e) Role of G1-phase in cell cycle.
- (f) Name the control factors of cell cycle (Any two).

Q.2 Short note (Any Two):

10

- (a) Cell Theory.

(b) Function of Plasma membrane.

(c) Structure of Plant cell wall.

Q.3 Short note (Any Two):

10

(a) Difference: Prokaryotic cell & Eukaryotic cell

(b) Structure of Golgi body.

(c) Structure of Ribosomes.

Q.4 Short note Any Two of the following:

10

(a) Structure of Chloroplast.

(b) Stages of Meiosis.

(c) Mitosis
