

2103001106020006
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (SIXTH SEMESTER)
BT-22 ANIMAL BIOTECHNOLOGY - 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 (SIXTH SEMESTER)**
 - b. Name of the Subject: **ANIMAL BIOTECHNOLOGY LEVEL 2**
 - c. Subject Code No: **2103001106020006**
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 Define/Answer in short, Any Four:

08

- a) Name any two negative-acting factors of cell proliferation.
- b) Gap junctions.
- c) IVF technique.
- d) MOET.
- e) Dedifferentiation

Q.2 Attempt Any Two:

14

- a) Write a note on applications of animal biotechnology
- b) Discuss about aseptic environment for tissue culture.
- c) Enlist important equipment-required for a tissue culture laboratory.

Q.3 Explain in detail Any Two:

14

- a) Cytoskeleton and Extracellular Matrix
- b) Maintenance of differentiation.
- c) Constituents of complete media.

Q.4 Attempt Any Two of the following:

14

- a) Define artificial insemination. Write a detailed note on it.
- b) Sterile handling for cell culture.
- c) Disadvantages of Serum.
