

**RAN-2103001106020006****T.Y.B.Sc. Biotechnology (Sem. - VI)****Examination September - 2025****Bt - 22: Animal Biotechnology****Time: 2 Hours]****[Total Marks: 50****સૂચના : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. Biotechnology (Sem. - VI)

Name of the Subject :

Bt - 22: Animal Biotechnology

Subject Code No.: 2103001106020006

Seat No.:

Student's Signature

2. Figures to the right indicate full marks.
3. Draw neat and labelled diagrams wherever necessary.

Q-1. Define/Answer in short Any Four:**8**

- (a) What are the types of cell line?
- (b) What type of indicator is use in cell culture media and define its function.
- (c) Give the two names of artificial media.
- (d) Full form of FSH and LH.
- (e) What are the disadvantages of artificial insemination.
- (f) Define cell proliferation

Q-2. Attempt Any Two:**14**

- (a) Write the note on animal cell culture laboratory equipment's.
- (b) Draw a labelled frame work/plan of animal cell culture laboratory
- (c) Brief note on natural media.

Q-3. Explain in detail Any Two:**14**

- (a) Write a note on cell adhesion.
- (b) Describe the application of animal biotechnology in industrial sector
- (c) Justify: Sterilization of media is important in Animal Biotechnology.

Q-4. Attempt Any Two of the following:

14

- (a) Explain embryo transfer technology
 - (b) What are the advantages and disadvantages of animal tissue culture
 - (c) State the modification that can be applied to maintain Aseptic environment in an animal tissue culture laboratory.
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