

RAN-2103001106020006

B.Sc. (Biotechnology) (Sem.VI) Examination March - 2026
BT - 22 Animal Biotechnology (Old)

Time: 2 Hours]
[Total Marks:50

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) Figures to the right indicate full marks. (3) Draw neat and labelled diagrams wherever necessary.	Seat No.: Student's Signature
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- Q. 1. Define/Answer in short Any Four (08)**
- Histotypic culture.
 - What are cadherins and integrins?
 - Cell cycle.
 - Name the components of extracellular matrix.
 - Superovulation.
- Q. 2. Attempt (Any Two) (14)**
- Discuss the types of cell culture.
 - Applications of animal biotechnology.
 - Give details of anyone essential equipment required for a tissue culture laboratory.
- Q. 3. Explain in detail (Any Two) (14)**
- Elements of aseptic environment.
 - Complete media used in animal tissue culture.
 - Control of cell proliferation.
- Q. 4. Discuss Any Two of the following: (14)**
- Sterilization of buffers and heat labile media.
 - Embryo transfer technology.
 - In vitro fertilization and elaborate its importance.