



RAN-2603001306033001

B.Sc. (Biotechnology) (NCF-NEP) (Sem. VI) Examination March - 2026
BT-MJ-603 : Animal Biotechnology

Time: 1 Hour]

[Total Marks: 25

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.: <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> Student's Signature						

- Q. 1 Short Question. (Any 5 out of 6) (5)**
- Name two techniques used for DNA transfer into the cells.
 - Give the names of hormone used for superovulation.
 - HEPA filter.
 - Suspension culture.
 - Desmosomes and tight junctions.
 - Role of microtubules.
- Q. 2 Short Note/Brief Answer. (Any 2 out of 3) (10)**
- What are the advantages of animal tissue culture?
 - Write a brief note on animal cell culture media.
 - Explain in detail: Cell differentiation.
- Q. 3 Short Note/Brief Answer. (Any 2 out of 3) (10)**
- In vitro fertilization.
 - Discuss about artificial insemination and its advantages.
 - Discuss about elements of aseptic environment in laboratory.