



# RAN-1901

## B.Sc. Biotechnology Semester VI Examination

March / April - 2019

### BT-22: Animal Biotechnology

Time: 2 Hours ]

[ Total Marks: 50

#### સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

B.Sc. Biotechnology Semester VI

Name of the Subject :

BT-22: Animal Biotechnology

Subject Code No.: 1 9 0 1

Seat No.:

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Student's Signature

#### Q.1 Answer briefly (any Four)

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- Define organ culture.
- Define anchorage dependence.
- What are Cadherins?
- Define apoptosis.
- Heat inactivation of serum.

#### Q.2 Answer any Two

14

- Discuss in detail the process of cell adhesion.
- Applications of animal tissue culture technology.
- What is cell cycle? Discuss the control of cell proliferation.

**Q.3 Answer any Two 14**

- a. Discuss the planning for a tissue culture laboratory.
- b. Write a detailed note on cell viability assays.
- c. Mention the criteria for subculture.

**Q.4 Answer any Two 14**

- a. Write a detailed note on complete media.
  - b. What is cryopreservation? Mention the rationale for freezing.
  - c. Write a note on sterilization of media.
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