

**Roll No.**

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**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Sc. (BT) (Sem.-5)**

## ANIMAL BIOTECHNOLOGY

**Subject Code : BSBT-139-18**

**M.Code : 78350**

**Date of Examination : 16-12-2022**

**Time : 3 Hrs.**

**Max. Marks : 40**

### INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **ONE** mark each.
2. **SECTION-B** contains **FIVE** questions carrying **TWO & HALF** ( $2\frac{1}{2}$ ) marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

## SECTION-A

1. Write briefly :
- a) Pluripotent
  - b) Morula
  - c) Reverse transcription
  - d) Theileriosis
  - e) Coccidiosis
  - f) Clone
  - g) Stem cell
  - h) Transgenesis
  - i) Retrovirus
  - j) Vector.

### **SECTION-B**

2. Write a short note on transgenic cow.
3. What do you understand by artificial insemination? Explain.
4. Explain molecular engineering with suitable example.
5. What are applications of stem cell technology?
6. Describe embryonic stem cell mediated gene transfer.

### **SECTION-C**

7. Explain the process of microinjection in detail.
8. Give an account of embryo transfer techniques.
9. How animal diseases can be cured by using biotechnology?

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**