

No. of Printed Pages : 03

Roll No.

DD-332

M. Sc. EXAMINATION, May 2017

(Fourth Semester)

(Main & Re-appear)

BIOTECHNOLOGY

BT-604-MS

Animal Biotechnology-I

Time : 3 Hours]

[Maximum Marks : 100

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit.

(2-23) M-DD-332

P.T.O.

Unit I

1. What are the different methods used for animal cell culture ? **20**
2. Explain organ cell culture along with its applications. **20**

Unit II

3. Write about the balanced salt solution and growth medium requirements for Animal Cell culture. **20**
4. What are the different requirements for animal cell culture laboratory ? **20**

Unit III

5. How can you preserve cell lines ? **20**
6. Write about the maintenance and immobilization of cell lines along with applications. **20**

Unit IV

7. Write notes on the following : **10×2**
 - (a) Targetted Gene Transfer
 - (b) Detection of transgenics through transgene function.
8. Write notes on the following : **10×2**
 - (a) Expression of mammalian genes in prokaryotic and eukaryotic system
 - (b) Embryonic stem cell transfer.