

B.Sc. (CBCS Pattern) Semester - VI
USCZOT14 - DSE - Core Paper-XIV - Zoology Paper-II :
Animal Biotechnology

P. Pages : 1

Time : Three Hours



GUG/S/23/13371

Max. Marks : 50

1. Write in detail the types of media for cell & tissue culture. 10
- OR**
- a) Application of biotechnology. 5
- b) Chemical Sterilization. 5
2. Write a detail account on sanger method of DNA sequencing. 10
- OR**
- a) Plasmid 5
- b) PCR 5
3. Write in detail the Artificial Insemination. 10
- OR**
- a) Microinjection 5
- b) In-situ conservation strategies. 5
4. Describe the role of recombinant DNA in medicine. 10
- OR**
- a) Hybridoma technology. 5
- b) Molecular diagnosis of genetic disease cystic fibrosis. 5
5. Write 4 – 5 lines on the following **any ten**. 10
- | | |
|-----------------|--------------------------|
| i) ELISA | ii) Osmolarity |
| iii) BSS | iv) Colony hybridization |
| v) YAC | vi) Cosmid |
| vii) Nucleotide | viii) Stem cell |
| ix) Linker | x) Aseptic Condition |
| xi) HAT medium | xii) Gene therapy |
