

M.Sc. (Zoology) (CBCS Pattern) Sem-IV
**PSCZOOT13 : ZOO Paper-XIII : Biotechnique, Biostatistics, Ethology,
Toxicology and Bioinformatics**

P. Pages : 1

Time : Three Hours



GUG/W/22/11427

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answer with suitable diagram.

1. Give details account on Electrophoretic separation techniques. **16**
OR
Write notes on-
a) Sterilization technique
b) Radioactive isotopes
2. Give an account on development of animal behavior. **16**
OR
Write notes on:
a) Central tendency
b) Significance tests
3. Describe in detailed, translocation of toxicants. **16**
OR
Write notes on:
a) Environmental toxicants
b) Scope of toxicology
4. Describe biological databases in details. **16**
OR
Write notes on:
a) Phylogenetic analysis
b) Bioinformatics
5. Attempt the following. **16**
a) Cryopreservation method
b) Probability
c) Antidotes
d) Sequence alignment
