

**ZOO-XIII / PSCZOOT13 - Biotechniques, Biostatistics, Ethology, Toxicology
and Bioinformatics Paper - XIII**

P. Pages : 1

Time : Three Hours



GUG/W/18/11427

Max. Marks : 80

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

1. Give detail account on chromatographic separation. **16**

OR

Write notes on-

- a) Sterilization techniques
- b) Radioactive isotopes.

2. Give details account on basic theory and type of probability. **16**

OR

Write notes on -

- a) Sampling types.
- b) Importance of Chi-square tests.

3. Give details account on classification of environmental toxicants. **16**

OR

Write notes on -

- a) Translocation of toxicants
- b) Antidotal therapy.

4. Give details account on Biological databases. **16**

OR

Write notes on -

- a) Scope of bioinformatics in research.
- b) FASTA

5. Attempt the following. **16**

- a) Cell Lines
- b) Dispersion and Variance
- c) Pesticides
- d) Variants of BLAST
