

PSCZOOT13 - Paper-XIII : Biotechnique, Biostatistics, Ethology, Toxicology and Bioinformatics

P. Pages : 1

Time : Three Hours



GUG/S/23/11427

Max. Marks : 80

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

1. Give details account on Basic principle of sedimentation and centrifugation. **16**

OR

Write notes on-

- a) Sterilization technique **8**
- b) Gas chromatography **8**

2. Write a notes on probability and distribution. **16**

OR

Write notes on-

- a) Dispersion and Variance **8**
- b) Animal ethics **8**

3. Give details account on introduction and scape of toxicology. **16**

OR

Write notes on-

- a) Antidotes therapy. **8**
- b) Classification of environmental toxicant. **8**

4. Explain details about phylogenetic analysis. **16**

OR

Write notes on-

- a) Scape of Bioinformatics
- b) Sequence alignment

5. Attempt the following. **16**

- a) Cryopreservation of Cells
- b) Chi square test
- c) Biotransformation
- d) BLAST
