

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PZOL1C02 - BIOINSTRUMENTATION AND BIOSTATISTICS

(Zoology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-AAnswer any ***four*** questions. Each question carries 2 weightage.

1. Explain resolving power of microscope.
2. Define radiation dosimetry.
3. EEG
4. Explain the calculation of mean from a data of continuous series.
5. What is meant by probability distributions? Explain Binomial distribution.
6. What is meant by regression? Narrate regression equations.
7. Explain Sorenson index.

(4 × 2 = 8 Weightage)**Part-B**Answer any ***four*** questions. Each question carries 3 weightage.

8. Explain the principle and applications of chromatography.
9. Explain the principle and applications of centrifugation.
10. Explain nanotechnology.
11. Define Biostatistics.
12. Describe classification of data.
13. Explain correlation equation.
14. Briefly describe alpha diversity indices.

(4 × 3 = 12 Weightage)

Part-C

Answer any ***two*** questions. Each question carries 5 weightage.

15. Explain about Microscopy with suitable examples.
16. Write a essay about X-rays in biological studies.
17. Explain measures of dispersion.
18. Describe parametric and nonparametric tests.

($2 \times 5 = 10$ Weightage)
