24P115

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P ZOL1 C02 - BIOINSTRUMENTATION AND BIOSTATISTICS

(Zoology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Electron microscopes.

2. What is called as radiation detectors?

3. What is nanobiology?

4. Explain Box-Whisker plot.

5. Describe poisson distribution.

6. Give an account on Karlpearson's coefficient of correlation.

7. Explain Margalef species richness.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Differentiate dissociation of water and a weak acid.

9. Differentiate between high voltage electrophoresis and immunoelectrophoresis.

10. Discuss about computed axial tomography.

11. Explain methods of data collection.

12. Explain median.

13. Explain testing of hypothesis. Give a brief account on parametric and nonparametric tests.

14. Describe different types of regression.

(4 × 3 = 12 Weightage)

Part-C

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

15. Write an essay on chromatography.

16. Write a essay about X-rays in biological studies.

17. With the help of an example construct a class interval in exclusive and inclusive form with a note on cumulative frequencies.

18. Describe parametric and nonparametric tests.

(2 × 5 = 10 Weightage)

****