FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(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. What is thin layer chromatography?

2. What is isoelectric focusing?

3. What is nanobiology?

4. Explain ogive.

5. Find the median class of the data given below Class boundaries 10-20 20-30 30-40 40-50 50-60 60-70 No. of Leaves 4 11 19 14 0 2

6. Explain F-test.

7. What is meant by correlation? Give an account on different types of correlation.

(4 × 2 = 8 Weightage)

Part-B

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

8. Write a short note on Atomic force microscope.

9. Expalin the mechanism of radiation detectors.

10. Discuss about computed axial tomography.

11. Discuss different types of sampling methods.

12. Define Poisson distribution with the help of an example.

13. Explain level of significance using an example.

14. Explain regression.

Part-C

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

15. Write an essay about buffer system in biomolecules.

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

17. Explain measures of dispersion.

18. Give a detailed account on alpha diversity.

(2 × 5 = 10 Weightage)

****