

22P115

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(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. Define histochemistry.
2. What is radiation biology?
3. What is nanomedicine?
4. Differentiate between skewness and kurtosis.
5. Explain standard deviation.
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. What is Henderson Hasselbaich equation?
9. Explain SDS-PAGE.
10. Discuss about Positron emission tomography.
11. With the help of an example describe short-cut method to calculate mean. Explain the merits and demerits of mean.
12. Give a detailed account on Binomial, Poisson and Normal distributions.
13. Explain level of significance using an example.
14. With the help of an example explain Shannon index.

(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. Give an account on methods of data collection. Discuss different types of sampling methods.
18. Give a detailed account on regression.

(2 × 5 = 10 Weightage)
