LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – **ZOOLOGY**THIRD SEMESTER – **NOVEMBER 2023**

PZO 3502 - RESEARCH METHODOLOGY AND BIOSTATISTICS

Date: 01-11-2023 Dept. No. Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

PART-A

Answer ALL the questions

 $(10 \times 2=20)$

- 1. Comment on empirical research.
- 2. Write a note on 'Journal impact factor'.
- 3. State the importance of diagrammatic representation of data.
- 4. Mention the characteristics of Numerical data and Categorical data.
- 5. Comment on non-probability sampling.
- 6. Comment on "Sampling error".
- 7. What is called primary literature?
- 8. Comment on indexing software.
- 9. Differentiate copyright from registered trademark.
- 10. What is called reference styling?

PART-B

Answer any **FOUR** of the following

(4X 10 = 40)

- 11. Briefly explain the characteristics of research.
- 12. Enumerate points on the difference between scientific and non-scientific method
- 13. Briefly explain the Essentials of a Good Research Problem.
- 14. Comprehend the sources of hypotheses.
- 15. Explain the merits and demerits of sampling.
- 16.Briefly analyze the steps of research design.

1

Answer any **TWO** of the following

(2 X 20=40)

- 17.Discuss in detail the process of research.
- 18. Explain in detail the process of sample survey.
- 19.Discuss in detail the sources of primary data and secondary data.
- 20. Apply Students t Test.

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12	18
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