



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

THIRD SEMESTER – NOVEMBER 2022

PZO 3502 – RESEARCH METHODOLOGY AND BIostatISTICS

Date: 25-11-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART – A

Answer ALL Questions

(10 x 2 = 20 Marks)

1. Differentiate descriptive research from analytical research.
2. Differentiate null hypothesis from alternative hypothesis.
3. Differentiate dependent variable from independent variable.
4. Correlate control and treatment.
5. Write a note on 'impact factor'.
6. How does perception affect hypothesis designing?
7. Differentiate secondary literature from tertiary literature.
8. How does literature review strengthen hypothesis?
9. List down the characteristics of a good questionnaire.
10. Mention the skill requisites of a good researcher.

PART - B

Answer ANY FOUR Questions

(4 x 10 = 40 Marks)

11. Differentiate Induction from Deduction.
12. Briefly explain the Essentials of a Good Research Problem.
13. Briefly analyze the steps of research design.
14. Briefly analyze the types of observation.
15. Explain the need and importance of Interpretation.
16. Bring out an account on principles of report writing.

PART – C

Answer ANY TWO Questions

(2 x 20 = 40 Marks)

17. Explain in detail the types of hypothesis.
18. Elaborate the steps in sample design.
19. Discuss in detail the sources of primary data and secondary data.
20. An online psychometric test was launched 100 times and the results were noted. 65 times it was well received and 35 times poorly. Is this result a significant departure from the expected result?

\$\$\$\$\$\$