

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



M.Sc. DEGREE EXAMINATION – ZOOLOGY

THIRD SEMESTER – NOVEMBER 2019

18PZO3MC02 – RESEARCH METHODOLOGY AND BIostatISTICS

Date: 31-10-2019

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART-A

Answer **ALL** the questions

(10 X 2=20)

1. What is Experience survey?
2. Distinguish research methods from methodology.
3. Comment on data types.
4. State the importance of ANOVA.
5. How do you present the data using pictograms?
6. What is extraneous variable?
7. Distinguish systematic from stratified sampling.
8. Comment on plagiarism
9. Define the terms deductive and inductive research.
10. What is positive correlation?

PART-B

Answer any **FOUR** of the following

(4 X 10 =40)

11. Describe various methods of collecting primary data.
12. Enumerate the technique involved in defining a research problem.
13. What is research? Explain the basic principles of research design.
14. Write short notes on IPR.
15. Describe the steps, layout and characteristics of a good research report.
16. Write the importance of two sample independent t- test.

PART-C

Answer any **TWO** of the following

(2 X 20=40)

17. Write notes on a) Copyright b) Patent infringement
18. Explain the salient features of data processing, presentation and analysis.
19. Write an essay on the components and important concepts of good research design.
20. Explain the different types of correlation and add a note on properties of regression coefficient.
