



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**M.Sc. DEGREE EXAMINATION – ZOOLOGY**

**THIRD SEMESTER – NOVEMBER 2014**

**ZO 3814 - RESEARCH METHODOLOGY**

Date : 01/11/2014

Dept. No.

Max. : 100 Marks

Time : 09:00-12:00

**Part-A**

**Answer all the questions in 50 words each**

**[10×2=20 Marks]**

1. Define Impact factor
2. Distinguish induction from deduction
3. What are the qualities of a true researcher?
4. How does bibliography software aid in research pursuit?
5. What are the challenges posed by multidisciplinary research approach?
6. What are the limitations and exceptions of copy right?
7. State the animal welfare act.
8. How do you find out standard deviation?
9. Differentiate biosafety from biosecurity.
10. Expand : CBD and TKDL

**PART – B**

**Answer any FOUR questions in 500 words**

**[4 × 10 =40 Marks]**

11. What are the rules and acts of National Biodiversity Authority ?
12. What are the operational steps involved in Research Methodology ?
13. Enumerate the principles of good laboratory practices
14. What are the components involved in literature search and review ?
15. What are the stages involved in filing a patent ?
16. What are the steps involved in using internet for research pursuit ?

**PART - C**

**Answer any TWO questions in 1200 words**

**[2 × 20 =40 Marks]**

17. Describe the critical steps involved in the sampling process.
18. Elucidate the applications of correlation, regression, ANOVA and SPSS in experimental research.
19. Examine any four types of experimental research designs towards their applications
20. Highlight on : a) Impacts of biohazards b) Format for manuscript publication.

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