

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2010

ZO 2955 - RESEARCH METHODOLOGY

Date & Time: 23/04/2010 / 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART – A

Answer **ALL** the questions

10 x 2 = 20 Marks

1. Comment on types of immunoelectrophoresis.
2. Expand the abbreviations: HPLC, TLC, PAGE and IPR.
3. What is Plagarism? Explain.
4. Comment on codes of ethical conduct.
5. What is meant by abstract volume? Cite an example.
6. What is Peer reviewed publication?
7. List the major objectives of research.
8. What is Impact Factor?
9. Define the term citation index.
10. What is thrust area?

PART – B

Answer any **FOUR** questions

4 x 10 = 40 Marks

11. Describe the principles of career guidance.
12. Discuss the research process with a flow chart.
13. Summarise any four types of research with suitable examples.
14. Describe the significance of website.
15. Discuss the principles of patenting.
16. Summarize the importance of funding agencies.

PART – C

Answer any **TWO** questions

2 x 20 = 40 Marks

17. Describe the method of preparation of manuscript for publication.
18. Give an account of the principle and procedure for paper chromatography technique.
19. Describe various methods of sampling techniques.
20. Give an account of electronic tools for literature collection.
