M.Sc. DEGREE EXAMINATION,NOVEMBER 2019
I Year II Semester
Research Methods and Statistics

Time : 3 Hours **Max.marks :75**

Section A $(10 \times 2 = 20)$ Marks

Answer any **TEN** questions

1. Define Research.
2. How to formulate Hypothesis?
3. Define descriptive study.
4. What is cohort study?
5. List the Characteristics of good sampling.
6. Define probability sampling.
7. Mention the Levels of data measurements.
8. Define Questionnaire.
9. Mention the application of non parametric tests.
10. What is r test?
11. List the Different forms of scientific writing.
12. Write the importance of Bibliographies.

Section B $(5 \times 5 = 25)$ Marks

Answer any **FIVE** questions

13. Write about specific objective.
14. What do you mean by case studies?
15. What are the precautions to be taken while writing research reports?
16. Highlight the on Validity, sensitivity and specificity of research tools.
17. Write about ANOVA.
18. Write a note on research proposal.
19. Mention the uses and guidelines for writing Appendices.

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. Elaborate how to select and formulate a research problem.

21. Explain in detail observational and analytical studies?

22. Write a note on reports, Review articles and Dissertations.

23. Explain about structured and unstructured Interview?

24. Elaborate t test and z test.

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