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**DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)**
(For Candidates admitted from 2019-2020 onwards)



PG DEGREE EXAMINATIONS APRIL - 2021

M.Sc., - MICROBIOLOGY

RESEARCH METHODOLOGY

Time: 3 Hrs

Max.Marks: 75

PART – A

CHOOSE THE CORRECT ANSWER

(10X1=10)

1. "One of the methods of logical reasoning process" is called
 a) Induction b) Deduction c) Research d) Experiment
2. Social Science deals with
- a) Objects b) Human beings c) Living things d) Non- living things
3. Research conducted to find solution for an immediate problem is
- a) Abstract b) Dependent c) Independent d) Separate
4. The first variable isvariable
- a) Fundamental Research b) Analytical Research
- c) Survey d) Action Research
5. Survey is always a study
- a) Field b) Laboratory c) Office d) Class room
6. Which of the following is an example of primary data?
- a) Book b) Journal c) News Paper d) Census Report
7. The method by which a sample is chosen
- a) Unit b) design c) Random d) Census
8. Null means
- a) One b) Many c) Zero d) None of these
9. Last step in problem formulation is
- a) Survey b) Discussion
- c) Literature survey d) Re Phrasing the Research problem
10. Bibliography given in a research report
- a) Helps those interested in further research and studying the problem from another angle
- b) Shows the vast knowledge of the researcher
- c) Makes the report authentic
- d) None of the above

PART- B

ANSWER ALL THE QUESTIONS

(5X7=35)

11. a) What are the objectives of research?

(OR)

b) What do you mean by research? Write the significance in modern times?

12. a) Write a note on descriptive research design.

(OR)

b) What are the types of scales used in research?

13. a) State the difference between primary and secondary data.

(OR)

b) What are the methods of sampling?

14. a) Write a note on Mann Whitney U test?

(OR)

b) Explain the factor analysis.

15. a) What are the elements of a report?

(OR)

b) How to give recommendations and implications of a research report?

PART-C

ANSWER ANY THREE QUESTIONS

(3X10=30)

16. Explain the process of research.

17. State the different types of experimental design?

18. Distinguish Survey and observation.

19. Explain Non-Parametric tests.

20. What are the basics of writing a report?