

S.NO: 22N1- PC

Course Code: PGCJ

A.D.M.COLLEGE FOR WOMEN, NAGAPATTINAM

(AUTONOMOUS)

M. Com Degree Examination

III Semester – November – 2022

CC X – RESEARCH METHODOLOGY

Time: 3 hours

Maximum Marks: 75

Section –A

10X2=20

Answer **ALL** the Questions

1. Define research.
2. What do you mean by research gap?
3. State the meaning of research problem.
4. Name the various sources of hypothesis.
5. What is meant by sampling error?
6. Tell the meaning of the term 'Observation'.
7. What is data processing?
8. What is interpretation of data?
9. Define research ethics.
10. What is meant by plagiarism?

Section -B

5X5=25

Answer **ALL** the Questions

11. a) List out the various objectives of research.

(or)

b) Explain the followings (i) Case study method and (ii) Survey method

12. a) Explain the characteristics of a good hypothesis.

(or)

b) Explain the components of a research design.

13. a) Distinguish between questionnaire and schedule.

(or)

b) List out the various sources of secondary data available to a researcher.

14. a) Explain the purposes of statistical analysis of research data.

(or)

b) The following results are obtained from a sample of 10 boxes of biscuits.

Mean weight of contents = 490 gms

Standard deviation of the weight = 9 gms.

Could the sample come from a population having a mean of 500 gms.

15. a) List out the various types of report.

(or)

b) Outline the various steps involved in writing a research report.

Section -C

3 X 10 = 30

Answer any **THREE** Questions

- 16. Explain the different types of research.
- 17. Examine the various steps involved in the selection and formulation of a research problem.
- 18. Elaborate the various methods of sampling.
- 19. The three samples below have been obtained from normal population with equal variances. Test the hypothesis that the sample means are equal:

8	7	12
10	5	9
7	10	13
14	9	12
11	9	14

The table value of F at 5% level of significance for $v_1 = 2$ and $v_2 = 12$ is 3.88

- 20. Analyze the contents of a good research report.

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