

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : NOVEMBER-2024
COURSE NAME:M.Com.- C.A
SEMESTER:III**

**MAXIMUM MARKS: 75
TIME : 3 HOURS**

RESEARCH METHODOLOGY

SECTION – A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS. (K1)

1. Good research is always _____.
a) Slow b) Fast c) Narrow d) Systematic
2. Which of the following is non-probability sampling?
a) Snowball b) Random c) Cluster d) Stratified
3. Which of the following is an example of primary data?
a) Book b) Journal c) News Paper d) Census Report
4. Testing hypothesis is a _____.
a) Inferential Statistics b) Descriptive Statistics c) Data preparation d) Data Analysis
5. The first page of the research report is _____.
a) Appendix b) Bibliography c) Index d) Title Page

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES. (K2)

6. Define research.
7. Explain the census method.
8. Interpret the pilot study
9. Define hypothesis.
10. Extend the interpretation.

SECTION – B (5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Find the qualities of a good researcher.
(OR)
b) Show the types of different research design.
- 12.a) List the steps in sample design.
(OR)
b) Examine the characteristics of a good sample design.
- 13.a) Sketch the various methods of secondary data collection.
(OR)
b) List the types of observation.

(CONTD.....2)

14.a) Examine the procedure for hypothesis testing.
(OR)

b) You are given the following data:

PARTICULARS	Y	X
Arithmetic mean	36	85
Standard deviation	11	8

Correlation coefficient between X and Y is 0.66. Calculate the two regression equations.

15.a) Discover the types of reports.

(OR)

b) Show the steps in report writing.

SECTION – C

(5 X 8 = 40 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.

(K4 (Or) K5)

16. a) Classify the types of research.

(OR)

b) Discuss the components of research design.

17. a) Categorize the various methods of Sampling.

(OR)

b) Measure the merits and demerits of sampling techniques.

18. a) Investigate the primary data collection methods.

(OR)

b) Compare the questionnaire and interview.

19.a) 200 digits are chosen at random from a set of tables. The frequencies of the digits are as follows:

Digits:	0	1	2	3	4	5	6	7	8	9
Frequency:	18	19	23	21	16	25	22	20	21	15

Use χ^2 test to assess the correctness of the hypothesis that the digits were distributed in equal numbers in the table from which they were chosen.

(OR)

b) Calculate Karl Pearson's coefficient of correlation between X and Y:

X:	45	35	56	58	60	65	68	70	75	80	85
Y:	56	50	48	60	62	64	65	70	74	82	90

20.a) Prepare the need for interpretation.

(OR)

b) Outline the layout of the research report.