

QUESTION 2016

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following:

i) A sample is

- a) a set exclusive of the population
- ✓ b) a subset of the population
- c) non-representative of the population
- d) may or may not be a part of the population

ii) The another name of simple series is called

- ✓ a) frequency distribution
- b) simple frequency distribution
- c) grouped frequency distribution
- d) none of these

iii) What does quantitative research measure?

- a) Feelings and opinions
- ✓ b) Numbers and figures
- c) Numbers and feelings
- d) None of these

iv) Which of the following is/are method(s) of data collection?

- a) Questionnaire
- b) Interviewing
- c) Observing
- ✓ d) All of these

v) Which of the following is *not* a form of non-random sampling?

- a) Snowball sampling
- b) Convenience sampling
- c) Quota sampling
- ✓ d) None of these

vi) Strata in stratified sampling is

- ✓ a) Homogeneous
- b) Heterogeneous
- c) Mutually exclusive
- d) none of these

vii) Which of the following contributes to the effectiveness of a report presentation?

- a) Content
- b) Context
- c) Medium
- ✓ d) All of these

viii) Sign of Null Hypothesis is

- ✓ a) H₀ b) H₁ c) both (a) and (b) d) none of these

ix) The same person when re-examines by the same test on different conditions is called

- ✓ a) Reliability b) Reliability co-efficient of the test
c) Validity d) None of these

x) Which of the following is not a step in Research process?

- a) Formulation of research problem b) Formulation of research design
c) Formulation of research hypothesis ✓ d) none of these

xi) Suppose you are told that there is a direct relationship between the age of the machine and cost of running the machine. It can be concluded that

- ✓ a) cost tend to be high when the machine is old
b) cost tend to be low when machine is old
c) new machine causes cost to rise
d) none of these

xii) Pareto chart is basically a particular type of

- a) tabulation method b) pie chart ✓ c).histogram d) bar chart

xiii) Unstructured questions are

- ✓ a) open ended questions b) close ended questions
c) dichotomous question d) none of these

GROUP - B

(Short Answer Type Questions)

✓ 2. Distinguish between Deductive and Inductive methods as used in research.

See Topic: **TERMINOLOGY**, Short Answer Type Question No. 3(b)

✓ 3. Discuss and evaluate the methods of collecting primary data.

See Topic: **RESEARCH METHODS**, Short Answer Type Question No. 9.

4. Two lines of regression concerning two variables x and y given by $Y = 5.6 + 1.2x$ and $X = 12.5 + 0.6y$ touch each other. Obtain the mean values of x and y and their correlation coefficient.

See Topic: **DATA ANALYSIS**, Short Answer Type Question No. 13.

5. Calculate the mean of the following data:

No. of sales	0-4	5-9	10-14	15-19	20-24	25-29
No. of sales-people	1	14	23	21	15	6

See Topic: DATA ANALYSIS, Short Answer Type Question No. 14.

6. Draw a pie-chart from the following information:

Customs	Rs. 15,000
Excise	Rs. 18,000
Income Tax	Rs. 25,000
Corporation Tax	Rs. 10,000
Revenue from public undertakings	Rs. 800
Miscellaneous	Rs. 200

See Topic: DATA ANALYSIS, Short Answer Type Question No. 15.

GROUP - C

(Long Answer Type Questions)

7. Define Questionnaire. What are the attributes of a good Questionnaire? What are the limitations of a mail Questionnaire?

See Topic: RESEARCH METHODS, Long Answer Type Question No. 3.

8. a) Describe the format of good research report. How to write a research proposal?

b) Explain the concepts of Nominal, Ordinal and Interval scale.

a) 1st part: See Topic: REPORT WRITING, Short Answer Type Question No. 1.

2nd part: See Topic: RESEARCH PROJECT, Long Answer Type Question No. 2.

b) See Topic: SURVEY METHODS, Short Answer Type Question No. 2.

9. Obtain the line of regression of marks in Statistics (Y) on marks in Economics (X) from the following data and estimate the most likely marks in Statistics when marks in Economics is 30.

Marks in Economics (X)	25	28	35	32	31	36	29	38	34	32
Marks in Statistics (Y)	43	46	49	41	36	32	31	30	33	39

See Topic: DATA ANALYSIS, Long Answer Type Question No. 8.

10 a) Explain the different methods of Non-Probability sampling.

b) Examine the types of Research Design.

a) See Topic: RESEARCH PROJECT, Long Answer Type Question No. 6(d).

b) See Topic: RESEARCH PROJECT, Long Answer Type Question No. 4(2nd part).

SOCIAL RESEARCH METHODS

11. a) Consider the following data:

x	23	35	18	36	40	42	47
y	240	236	238	230	250	245	252

Calculate Spearman's rank correlation coefficient.

b) The mean monthly salary paid to all employees in a certain company was Rupees 500. The mean monthly salaries paid to male and female employees were Rupees 520 and Rupees 420 respectively. Obtain the percentage of male to female employees in the company.

See Topic: DATA ANALYSIS, Long Answer Type Question No. 9.