

(2 ½ Hours)

Total Marks: 75

- N.B.: (1) All questions are **compulsory** subject to **internal choice**.
 (2) **Figures** to the **right** indicate **full marks**.

Q.1. (A) **State whether the following statements are True or False (Any Eight):** (8)

1. Mode is not a measure of central tendency
2. Hypothesis always have to prove correct
3. Interim report is a type of research report
4. The success of research work largely depends on the quality of interpretation
5. Non-probability methods of sampling are comparatively more time consuming & more expensive as sample size is large
6. One sample t Test is used when we want to know whether our sample comes from a particular population but we do not have full population information.
7. Coding facilitates proper tabulation & analysis of data
8. Research design enables collection of the right data to achieve the research objectives.
9. Research uses scientific methods to find facts or to provide solutions to specific problems
10. Dichotomous questions are very complex and difficult to answer & are subject to interviewer biasness

Q.1. (B) **Match the Columns (Any Seven):** (7)

A	B
(A) Primary Data Collection Method	(1) Drawing inferences by analyzing data
(B) Interpretation of data	(2) Government Reports
(C) Research Report	(3) Bibliography
(D) Chi-Square Test	(4) Grouping of collected data into different categories
(E) Applied Research	(5) Checking of errors & omissions in data collected
(F) Classification	(6) Testing of Hypothesis
(G) Secondary Data Collection Method	(7) Interview
(H) Regression Analysis	(8) Instrument to collect data from respondents to a survey or interview
(I) Questionnaire	(9) Designed to solve practical problems
(J) Editing	(10) Statistical process for estimating the relationships among variables

- Q.2. (a) Discuss the different types of Probability methods of sampling (08)
(b) Discuss the different types of research (07)

OR

- (c) Define & explain the meaning of Hypothesis & the different types of hypothesis (15)

- Q.3. (a) Explain in detail the different types of data & their sources (15)

OR

- (b) Explain the meaning & importance of a good questionnaire designing (08)
(c) Explain the different types of personal interviews used in collection of primary data (07)

- Q.4. (a) What is Interpretation of Data? Elaborate on the essentials of Interpretation of data (15)

OR

- (b) What is Testing of Hypothesis? Explain any one test? (08)
(c) Explain the meaning & essentials of Processing of Data? (07)

- Q.5. (a) Explain the structure of a research report (8)
(b) Describe the essentials of a good research report (7)

OR

- Q.5. **Short Notes (Any three):** (15)

1. Snowball sampling
2. Advantages of Survey/Interview Method
3. Objectives of research
4. Measures of Central Tendency
5. Types of Research Reports
