

Time: 2. ½ hours

Total marks - 75

INSTRUCTIONS:

1. All questions are compulsory with internal options.
2. All questions carry equal marks.

1 a. Match the Column (any eight)

Column A	Column B
i. Causal research	b. Most frequent number in a data set
ii. Outlier	c. supplementary material in a research report
iii. Mode	g. Effect of one variable on another
iv. Appendices	e. A data point that differs significantly from other observations.
v. Secondary data	g. Qualitative research
vi. Acknowledgements	h. Yes / No
vii. Bibliography	i. Contains details of the author, year of publication etc.
viii. Dichotomous questions	j. Thanking all those who helped the researcher during the research process.
ix. In-depth interview	e. Ronald Fisher
x. F test	f. Economical

08

1 b. State whether the following statements are true and false (any seven)

07

- i. A diagram showing a set of rectangular bars is called Pie Diagram.
- ii. Fundamental Research is also referred to as historical research.
- iii. Convenience sampling is a type of non-probability sampling technique.
- iv. The last section of a research report includes its title and the name of the person who wrote it.
- v. The bibliography is an optional component of the research report.
- vi. Likert scale includes only disagreement statements.
- vii. Tabulation always precedes classification.
- viii. Research Design is the plan, structure, and strategy for research.
- ix. Editing is the process of checking errors and omissions in data collection.
- x. Newspapers are a primary source of data collection.

2. a. Define research. Describe objectives of research with suitable examples. **08**
2. b. Elaborate the concept of research design and its importance in the research process. **07**
- Or**
2. c. Explain different types of research. **08**
2. d. Describe characteristics of Hypothesis. **07**
3. a. Explain the sources of secondary data collection. **08**
3. b. What are the types of personal interviews used in research for data collection? **07**
- Or**
3. c. What are the common types of scale of measurement used in research? **08**
3. d. What are the steps involved in Questionnaire designing? **07**
4. a. Discuss different types of analysis of data. **08**
4. b. Explain editing as the first step in data processing. **07**
- Or**
4. c. Discuss the advantages and drawbacks of Factor Analysis. **08**
4. d. What is a scatter diagram? Draw scatter diagram for perfect positive, perfect negative Nonlinear and No relation. **07**
5. a. State and explain the different types of research report. **08**
5. b. What is a research report? Highlight and explain the significance of a research report. **07**
- Or**
5. c. Write short notes on- (any three) **15**
- i. Need for editing the data
 - ii. Limitations of primary data
 - iii. Purpose of writing a research report
 - iv. Non – probability method of sampling
 - v. Importance of research
