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)*   08

	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

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

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