Time- 2:30 hours   **Total marks - 75**

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

1.   **a.**   **Match the following- (any eight)**   08

	Column A		*Column B*
i.	ISBN	a)	Large sample test
ii.	Tables and Charts	b)	Easy to fill and easily understandable by respondents.
iii.	Multi-Dimensional scaling	c)	Qualitative research
iv.	Correlation coefficient	d)	Measure of association between variables
v.	T test	e)	Testing the significance of population mean by using sample size of 25
vi.	Z test	f)	Structured and unstructured
vii.	Good questionnaire	g)	First section of a research report
viii.	In-depth interview	h)	Unique Identifier number
ix.	Observation method	i)	Make the report beautiful and easy to understand
x.	Acknowledgement	j)	Dimension reduction technique

1   **b.**   **State whether the following statements are true and false(*any seven*)**   07

    i.   Critical value is the cut off value between acceptance zone and rejection zone.

    ii.   Stratified sampling is a type of Non-probability sampling technique.

   iii.   Research design makes the research process complicated for the researcher.

   iv.   Population is subset of the sample.

    v.   Pilot study is a procedure to test questionnaire for confusing and misleading questions.

   vi.   Survey method is a secondary source of data collection.

   vii.   Appendix is included in the main body of the report.

  viii.   Report writing constitutes the first step in the research process.

   ix.   Dichotomous questionnaire includes descriptive questions.

    x.   The value of a correlation coefficient can be 2.03.

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2.	a.	Explain the meaning of research. Discuss the features of Research.	08
2.	b.	Elaborate on the characteristics of Hypothesis.	07
		Or	
2.	c.	What are the factors affecting Research design?	08
2.	d.	What is Non – probability sampling? Explain the different methods of Non - Probability Sampling.	07
3.	a.	What are the various sources of secondary data?	08
3.	b.	State and explain the essentials of a good questionnaire.	07
		Or	
3.	c.	What is a personal interview? Explain different types of personal interviews used by researchers.	08
3.	d.	Distinguish between primary data and secondary data.	07
4	a.	What is data processing? Explain its features.	08
4	b.	What is coding? Explain essentials of good coding.	07
		Or	
4	c.	What is regression analysis? Discuss application of regression analysis.	08
4	d.	State and explain the main characteristics of correlation analysis.	07
5	a.	Explain the steps in Research report writing.	08
5	b.	Elaborate on the four components of Research report.	07
		Or	
5	c.	Write short notes on- *(any three)*	15

i. Essentials of a good research design
ii Types of scaling techniques
iii Essentials of data processing
iv Multidimensional scaling
v Popular report

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