

Time: 2. 1/2 hours

Total marks - 75

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

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Column A	Column B
i. Mail surveys	a) Measure of association between variables
ii. F test	b) Testing the significance of population mean by using sample size of 25
iii. Dichotomous questions	c) Economical
iv. Bibliography	d) Contains details of the author, year of publication etc.
v. Wikipedia	e) Open access
vi. ISBN	f) Ronald Fisher
vii. Tables and Charts	g) Yes / No
viii. Multi-Dimensional scaling	h) Unique Identifier number
ix. Correlation coefficient	i) Make the report beautiful and easy to understand
x. T test	j) Dimension reduction technique

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

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- i. Appendix is included in the main body of the report.
- ii. Report writing constitutes the first step in the research process.
- iii. Dichotomous questionnaire includes descriptive questions.
- iv. The value of a correlation coefficient can be 3.04.
- v. Quota sampling is a type of non-probability sampling technique.
- vi. Descriptive research establishes cause and effect relationship.
- vii. Lottery sampling is an example of non-probability sampling.
- viii. A sample frame is the list of members of the population of interest from which a probability sample is selected.
- ix. Secondary data is directly collected by the researcher from its original sources.
- x. The semantic differential scale is bipolar

2. a. What are the characteristics of good research?

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2. b. Explain the sources of hypothesis.

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Or

2. c. Differentiate between qualitative and quantitative research.

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2. d. What are guidelines to be followed for designing a questionnaire?

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3. a. Explain Close ended, open- ended and multiple-choice questions in a questionnaire.

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3. b. Discuss the various sources of secondary data.

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Or

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3. c. Do you agree with the statement “Too much dependence on Secondary data is undesirable”? Justify your answer. 08
3. d. Explain briefly experimentation under field setting and laboratory setting. 07
- 4 a. Explain the requisites of a good table. 08
- 4 b. Explain any four types of correlation with diagram 07
- Or
- 4 c. Assess the effectiveness of F-test in hypothesis testing with examples. 08
- 4 d. What is ANOVA? Describe one-way and two-way ANOVA. 07
- 5 a. Discuss the features of research report. 08
- 5 b. Explain the types of research report. 07
- Or
- 5 c. Write short notes on- (*any three*) 15
- i. Type I and Type II Error
 - ii Exploratory Research
 - iii Essentials of Coding
 - iv Personal Interview
 - v Snowball Sampling
