

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 following- (any eight)

08

Column A	Column B
i. Alpha numerical code	a) Square root of variance
ii. Stages of editing of data	b) AQ4
iii. Good questionnaire	c) Field and office
iv. In-depth interview	d) Easy to fill and easily understandable by respondents
v. Standard deviation	e) Qualitative research
vi. Tables and Charts	f) ANOVA
vii. Analysis of variance	g) Make the report beautiful and easy to understand
viii. Correlation coefficient	h) First section of a research paper
ix. Observation method	i) Measure of association between variables
x. Abstract	j) Simple direct and indirect

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

07

- i. Recommendations constitute the first step in the research process.
- ii. Descriptive replies could be provided for an open-ended question.
- iii. The value of a correlation coefficient can be 3.03.
- iv. Critical Value is the cut off value between acceptance zone and rejection zone.
- v. Snowball sampling is a type of non-probability sampling technique.
- vi. Personal interview is a secondary source of data collection.
- vii. Appendix is included in the end portion of the research report.
- viii. Research design complicates the research process for the researcher.
- ix. Sample is a subset of the population.
- x. Pilot study is a procedure to test the questionnaire for confusing and misleading questions.

2. a. Explain the steps involved in research process. 08
2. b. Explain the term "research" and elaborate the importance of research. 07
- Or
2. c. Explain the concept of applied research, and analyse its difference from basic research. 08
2. d. Elaborate on the concept of sampling and its significance. 07
3. a. What are the advantages and disadvantages of personal interview method? 08
3. b. What is a questionnaire? Explain the importance of a questionnaire in data collection. 07
- Or
3. c. Differentiate between primary data and secondary data collection. 08
3. d. What is a survey method? Explain the various types of survey methods used for primary data collection. 07
4. a. Explain the different methods of tabulation of data. 08
4. b. Enumerate the measures of descriptive analysis. 07
- Or
4. c. Define Cluster Analysis and state the areas of application of cluster analysis. 08
4. d. Explain Regression. Write down the Y regression equation on X. 07
5. a. What is a research report? Explain briefly the layout of a research report 08
5. b. Elaborate the characteristics of a research report 07
- Or
5. c. Write short notes on- (any three) 15
- i. Technical Report & Oral Report
  - ii. Types of observation
  - iii. Merits of personal interview method
  - iv. Essential of Good report
  - v. Sources of hypothesis

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