Paper / Subject Code: 45002 / Research Methodology

Dt:- 9/12/22

Time : 2 ½ Hours   **Marks: 75**

Instructions:

All questions are compulsory.

Figures to right indicate full marks.

Q1. (A) Match the following (Any Eight)   (08 marks)

Column A	Column B
1. Literature Review	a. Characteristic of research
2. Reliability	b. American Psychological Association
3. Type I error	c. Two Variables
4. Median is	d. Summarize, evaluate and clarify the prior research on your topic
5. Table of Content	e. Data from every member of population
6. Validity	f. Level of agreement
7. Likert Scale	g. Main chapter heading and essential sub-heading
8. Census survey	h. Not based on all observations.
9. Bivariate Analysis	i. Applicability of research
10. APA style refers to	j. rejection of a true null hypothesis

Q1. (B) State whether True or False (Any Seven)   (07 marks)

1. Research is a scientific study which involves a dedicated effort without a purposeful aim.

2. The decision may be wrong if we accept the null hypotheses when it is true.

3. Rationale hypothesis describes the relationship between two variables.

4. Sampling provides slower results.

5. Editing is assigning numbers or abbreviations to the responses in the questions.

6. If the two variables correlated are moving in opposite directions the correlation is called positive.

7. A preface is different from introduction.

8. Appendix is same as Bibliography.

9. Close-ended question are structured questions.

10. Secondary data may be fabricated or tailored.

Q.2 (A) Explain different types of research   (08 marks)

Q.2 (B) What is research? What is the purpose of research   (07 marks)

                                    OR

Q.2 (C) Explain various types of hypothesis   (08 marks)

Q.2 (D) What is Sampling and its significance   (07 marks)

Q.3 (A) Discuss Observation method and Experimentation method of collection of primary data

(08 marks)

Q.3 (B) What are various types of questionnaire? (07 marks)

OR

Q.3 (C) Explain survey method of collecting data (08 marks)

Q.3 (D) Discuss types of secondary data (07 marks)

Q.4 (A) Write a note on T – test (08 marks)

Q.4 (B) Write a note on Testing of Hypothesis (07 marks)

OR

Q.4 (C) Discuss Coding and Classification stages in data processing (08 marks)

Q.4 (D) What is statistical data? Explain the types of data (07 marks)

Q.5 (A) Explain correlation analysis and its importance (08 marks)

Q.5 (B) Discuss the structure of research report (07 marks)

OR

Q.5 Write Short Notes (Any Three) (15 marks)

  a) Stratified sampling

  b) Popular report

  c) Chi-square test

  d) Research Design

  e) Footnotes

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