

**Time: 2½ hrs.****Marks:75**

- Note:**
1. All questions are compulsory with internal options.
  2. Figures to the right indicate full marks.
  3. Draw neat diagram wherever necessary.

**Q. 1 (A) Fill in the blanks with the correct answer from the alternatives given below. ( 08)**  
**Attempt any 8)**

- 1) An image, perception or concept that is capable of measurement is called \_\_\_\_\_.  
(a) scale (b) hypothesis  
(c) type (d) variable
- 2) What are the conditions in which Type-I error occurs?  
(a) The null hypotheses get accepted even if it is false (b) The null hypotheses get rejected even if it is true  
(c) Both the null hypotheses as well as alternative hypotheses are rejected (d) None of the above
- 3) Final stage in the research Process is \_\_\_\_\_.  
problem formulation data collection  
data Analysis report Writing
- 4) In order to pursue the research, which of the following is priority required?  
(a) Developing a research design (b) Formulating a research question  
(c) Deciding about the data analysis procedure (d) Formulating a research hypothesis
- 5) How to judge the depth of any research?  
(a) By research title (b) By research duration  
(c) By research objectives (d) By total expenditure on research
- 6) \_\_\_\_\_ is concerned with discovering and testing certain variables with respect to their association or disassociation.  
(a) Exploratory (b) Descriptive  
(c) Diagnostic (d) Descriptive and diagnostic
- 7) Research is \_\_\_\_\_.  
(a) searching again and again (b) finding solution to any problem  
(c) working in a scientific way to search for truth of any problem (d) none of the above
- 8) What type of chart is useful for comparing values over categories?  
(a) Pie Chart (b) Column Chart  
(c) Line Chart (d) Dot Graph

- 9) The main objective of \_\_\_\_\_ study's to acquire knowledge.
- (a) exploratory (b) descriptive  
(c) diagnostic (d) descriptive and Diagnostic
- 10) Which of the following is not the method of Research?
- (a) Survey (b) Historical  
(c) Observation (d) Philosophical

**(B) State whether the following statements are true or false. ( Attempt any 7) (07)**

- (1) Age, income and temperature are continuous variables and number of children and gender are discrete variables.
- (2) A research hypothesis is a statement of expectation or prediction that will be tested by research.
- (3) In case of census survey, the entire universe is contacted to collect the data.
- (4) Social media listening is also known as social media monitoring.
- (5) Qualitative researchers aim to gather an in depth understanding of human behaviour.
- (6) Data processing means a critical examination of the assembled and grouped data for studying the characteristics of the object under study.
- (7) Classification of data refers to transferring data in a tabular format for the purpose of analysis and interpretation.
- (8) Causal research describes the " who, what, when, where and how" of a situation.
- (9) The researcher should never report flaws in procedural design and estimate their effect on the findings.
- (10) Rensis Likert scale refers to a collection of rating scales using bipolar adjectives like active-lazy, strong-weak, etc.

- Q.2 A. What are the nature and characteristics of research? (08)
- Q.2 B. What are the different methods of sampling (07)
- OR
- Q.2 Enumerate in detail the research plan/ design to be followed by the researcher. (15)
- Q.3 A. What is data processing? Explain the significance of tabulation and graphic presentation. (08)
- Q.3 B. What are the essentials of a good research report? (07)
- OR
- Q.3 What is data analysis? Explain its characteristics. (15)
- Q.4 A. What is research report? Explain the layout of report writing. (08)
- Q.4 B. Describe the stages of research process in detail. (07)
- OR
- Q.4 State and explain the sources of hypothesis. (15)
- Q.5 What are the different types of observation method in primary data collection? (15)
- OR
- Q.5 Write short notes on ( Attempt any 3) (15)
- (1) Advantages of research
  - (2) Qualitative Research
  - (3) Research design
  - (4) Plagiarism
  - (5) Interview method