

Dr. Babasaheb Ambedkar Open University
Term End Examination July – 2026

Course	: BBAR	Date	: 06-07-2026
Subject Code	: BBAR-401	Time	: 03:00pm to 05:15pm
Subject Name	: Basics of Research Methods	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Write a detailed note on research process.
2. Explain various elements of research report.
3. Explain structure of synopsis.
4. Explain various methods of sampling with appropriate example.
5. Explain different steps in report writing along with content of a report.

Section B

Answer the following (Attempt any four) (20)

1. Write a note on types of research.
2. Write a short note on formation of hypothesis.
3. Write a short note on research ethics.
4. Write a note on type I and type II error.
5. What is data? Explain levels of data with example.
6. Write a note on graphical representation of data.

Section C

Part – A (Multiple Choice Questions) (10)

- 1 Doing experiments to test hypotheses is the foundation of the _____.
A Scientific method B Explanatory method
C Correlation method D None of these
- 2 A _____ is concerned with describing the characteristics of a particular individual or a group.
A Exploratory research design B Descriptive research design
C Explanatory research design D Causal design
- 3 Historical research sometimes referred to as _____.
A Cinematography B Historiography
C Geography D Documentary
- 4 The need for research is _____.
A Extension of knowledge B Bring to light information
C Establish generalizations D All of these
- 5 Which of following is non-Probability Sampling Method?
A Quota Sampling B Stratified Sampling
C Systematic Sampling D Multi-Stage Sampling
- 6 There is regression from concreteness and progression towards ultimate abstractness in _____.
A Quadrant 1 B Quadrant 2
C Quadrant 3 D Quadrant 4

- 7 What does type I error refer to hypothesis testing?
 A Accepting a False Null Hypothesis B Rejecting a True Null Hypothesis
 C Falling to Reject a false Null Hypothesis D (A)& (B) both
- 8 _____ are not factual experiments as little or no control is exercised over any of the variables by the researcher.
 A After only design B Before after design
 C Ex post facto design D All of these
- 9 What is the first step in research Process?
 A Data Collection B Formulation of a Hypothesis
 C Identification and Definition of a Research Problem D Literature Review
- 10 The _____ is a deviation of the -after-only with control group experimental design.
 A After only design B Before after design
 C Ex post facto design D All of these

Part – B (Do as Directed)

(10)

State whether the statement is true or false.

- 1 The data collected from the study of one part of the universe is not valid to the entire parts.
- 2 Science assumes the happenings in the world in a reliable model that can be understood by a methodical study.
- 3 Scientists formulate hypotheses in order to imagine how an idea works and then finding out how to put to them to the test of reality.
- 4 An assumption is a realistic expectation which is something that we believe to be true.
- 5 Observation is the act of thoroughly viewing another's interactions with his or her surroundings.
- 6 The Chi Square distribution is not the distribution of the sum of squared standard normal deviates.
- 7 Hypothesis cannot be considered as mere assumption or some supposition to be proved or disproved.
- 8 Statistical analysis involves collecting and scrutinizing every data sample in a set of items from which samples can be drawn.
- 9 The key purpose of measures of dispersion is to find out how spread out the data values is on the number line.
- 10 Footnotes are notes placed at the top of a page.
