

Qn.Code: MEDC13

N.V.K.S.D. COLLEGE OF EDUCATION
(AUTONOMOUS)

M.Ed. Degree First Semester Examination, March 2025
(For the candidates admitted during the academic year 2024-2025)

Tool Course: BASICS OF EDUCATIONAL RESEARCH
Course code: MED1TC001

Time: 3 Hours

Maximum Marks: 70

SECTION A (10 x 1 = 10 marks)

Answer ALL the questions by selecting the appropriate answers.

1. The option that does not represent a characteristics of research is
 - a) Systematic process
 - b) Based on empirical evidence
 - c) Subjective and biased
 - d) Logical and objective
2. The type of research primarily concerned with the development of new theories and generalizations is
 - a) Applied Research
 - b) Action Research
 - c) Basic Research
 - d) Descriptive Research
3. The essential characteristic of a good hypothesis is
 - a) It should be broad and wider
 - b) It must be based on the researcher's intuition
 - c) It should be specific, testable, and falsifiable
 - d) It should be unchangeable
4. The sampling method that gives every member of the population an equal chance of being selected is
 - a) Convenience sampling
 - b) Simple random sampling
 - c) Quota sampling
 - d) Snowball sampling
5. A population of 500 is divided into two strata: Stratum A with 200 individuals and Stratum B with 300 individuals. If the researcher decides to sample 20% from each stratum, then the total sample size is
 - a) 80
 - b) 90
 - c) 100
 - d) 110
6. The collection methods that is most characteristic of quantitative research methodology is
 - a) Unstructured interviews
 - b) Participant observation
 - c) Structured questionnaires
 - d) Focus group discussions
7. When a researcher aims to determine the cause-and-effect relationship between variables, then the appropriate research design will be
 - a) Descriptive research
 - b) Correlational study
 - c) Experimental research
 - d) Qualitative case study
8. The type of qualitative research based on an in-depth study of a single case or phenomenon is
 - a) Phenomenology
 - b) Case study
 - c) Document analysis
 - d) Ethnography

9. Reliability refers to
a) Truthfulness of the tool b) Consistency of the tool
c) Validity of the tool d) Standardization of the tool
10. APA Style Manual, MLA Style Manual, Chicago Manual, Blue Book, OSCOLA are
a) Handbooks b) Abbreviation Manuals c) Directories d) Citation Manuals

SECTION B (5 x 2 = 10 marks)

Answer all the FIVE questions in about 100 words each.

11. Define Educational research.
12. What is the significance of reporting research in the research process?
13. Differentiate Population from Sample with examples.
14. What are extraneous variables in Experimental research?
15. How can the case study method be effectively used in Educational research?

SECTION C (6 x 5 = 30 marks)

Answer any SIX questions in about 200 words each.

16. State the characteristics of effective Educational research.
17. How can action research be applied to improve teaching and learning practices?
18. Explain the types of hypotheses?
19. How does the selection of appropriate sample influence the research?
20. How can we address the limitations of quantitative research?
21. Explain Phenomenology by highlighting its significance.
22. Why is basic research important?
23. How can reviewing related literature enhance the quality and effectiveness of the research process?

SECTION D (2 x 10 = 20 marks)

Answer BOTH the questions in about 500 words each.

24. a) Write a research proposal for a topic of your Interest in the field of education.
(or)
b) Discuss the types of probability sampling with illustrations.
25. a) Analyse the types of quantitative research methods.
(or)
b) How can mixed method research be effectively applied to enhance research outcomes?