



Avinashilingam Institute for Home Science and Higher Education for Women
Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD [now MoE]
Re-accredited with an 'A++' Grade by NAAC CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test I–August 2025
I Semester

Class : I M.Ed

Max. Marks: 60
Time: 2 Hrs

25MEDC03-Introduction to Educational Research and Statistics

Course outcomes

- CO1** Independently search for, integrate and critically assess research information within the field of education
CO2 Design different data collection methods and conduct an in-depth interview, a focus group, qualitative case study and a mixed method study
CO3 Construct instruments for the measurement of different psychological sociological, technological and other Educational factors
CO4 Enter, analyze and interpret the results of the data using SPSS and Microsoft Excel
CO5 Independently search for, integrate and critically assess research information within the field of education

PART – A

Choose the correct answer

6 x 1 = 6

1. A good research study must be CO1 K1
a. Replicable and logical b. Based on assumptions
c. Subjective d. Inspired by some story
2. Which of the following is not a characteristic of educational research? CO1 K1
a. Objective b. Subjective c. Empirical d. Systematic
3. Which of the following software is commonly used in Educational research? CO2 K1
a. Adobe reader b. Media Player
c. Nvivo d. SPSS
4. In survey studies, the most important consideration is: CO2 K1
a. Literary review b. Sampling technique
c. Internal validity d. Laboratory setup
5. Which of the following is a correct order of steps in reviewing literature? CO1 K2
a. Collection → Analysis → Identification of gaps → Summarizing
b. Writing summary → Framing objectives → Collecting studies
c. Choosing methodology → Designing tools → Reading literature
d. Preparing questionnaire → Data collection → Literature review
6. A good hypothesis should be: CO2 K2
a. Vague and philosophical b. Based on assumptions alone
c. Already proven d. Clear, testable, and specific

PART – B

Answer ALL questions

3 x 6= 18

Each answer should not exceed 200 words

7. a. Differentiate scientific research and Educational research. CO1 K2
(or)
7. b. Elaborate on the role of computer technology in Educational research. CO1K2
8. a. Discuss the need of experimental research in Education. CO2 K2
(or)
8. b. Discuss the need of historical research in education. CO2 K2
9. a. What is the purpose of reviewing of related literature in Educational research? CO2 K2
(or)
9. b. Explain the key characteristics of a good hypothesis. CO2 K2

PART – C

Answer ALL questions

3 x 12 = 36

Answer should not exceed 800 words

10. a. Discuss the essential criteria of good research. CO1 K2
(or)
10. b. Describe the qualities of a good researcher. CO1 K2
11. a. Explain the difference between a qualitative and quantitative research. In which situation the mixed approach is better? CO2 K2
(or)
11. b. Differentiate fundamental research and action research. Give examples for both types from educational setting. CO2 K2
12. a. Distinguish between null hypothesis and alternative hypothesis. How are they used in hypothesis testing? CO2 K2
(or)
12. b. Discuss the importance of both primary and secondary sources in conducting an effective literature review. CO2 K2

Staff in-charge: Dr. Indu.H
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