

*K. Sambath*



**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 – February 2026**  
**II Semester**

**Time: 2 Hours**

**Class: I M.Ed.**  
**Major: Education**

**Maximum Marks: 60**

**25MEDC07 Advanced Educational Research and Statistics**

**Course outcomes**

**At the end of the course, students will:**

- CO1 Choose appropriate quantitative or qualitative method to collect data.
- CO2 Write a research proposal suitable for submission to a research funding body.
- CO3 Carry out independent research using arrange of research designs and methods.
- CO4 Maintain respect for individual research contributions and intellectual property rights, and demonstrate ethical behavior.
- CO5 Interpret and present the results of an independently conducted statistical analysis.

**PART – A**

**Choose the correct answer**

- |   |                               |            |              |
|---|-------------------------------|------------|--------------|
| 1. Qualitative research primarily focuses on                  |                               | 6 x 1 = 6  |              |
| a. Numerical analysis   |                               | CO1 K1     |              |
| b. Understanding meanings and experiences                     |                               |            |              |
| c. Hypothesis verification                                    |                               |            |              |
| d. Statistical testing  |                               |            |              |
| 2. Grounded theory was developed by                           |                               | CO1 K1     |              |
| a. Piaget and Vygotsky  | b. Thorndike and Skinner      |            |              |
| c. Glaser and Strauss   | d. Bloom and Krathwohl        |            |              |
| 3. The variable that measures the effect of manipulation is   |                               | CO2 K1     |              |
| a. Independent variable                                       | b. Dependent variable         |            |              |
| c. Control variable   | d. Moderator variable         |            |              |
| 4. External validity is concerned with                        |                               | CO2 K2     |              |
| a. Cause-effect relationship                                  | b. Control of variables       |            |              |
| c. Experimental error   | d. Generalization of findings |            |              |
| 5. A research report is primarily a                           |                               | CO3 K2     |              |
| a. Narrative account of research work                         | b. Statistical document       |            |              |
| c. Data collection tool                                       | d. Teaching material          |            |              |
| 6. Which style manual is widely used in educational research? |                               | CO3 K1     |              |
| a. MLA  | b. APA                        | c. Chicago | d. Vancouver |

**PART – B**

**Answer ALL questions**

**3 x 6 = 18**

**Each answer should not exceed 400 words or two pages**

- |   |  |        |
|---|--|--------|
| 7. a. Compile the characteristics of a good qualitative research study.     |  | CO1 K6 |
| (or)  |  |        |
| 7. b. Analyze the reasons for conducting qualitative research in education. |  | CO1 K2 |
| 8. a. Explain the purpose of research design in educational research.       |  | CO2 K2 |
| (or)  |  |        |
| 8. b. Explain internal validity and its major threats.                      |  | CO2 K2 |
| 9. a. Point out the importance of research report writing.                  |  | CO3 K4 |
| (or)  |  |        |
| 9. b. Point out the criteria for evaluating a research report.              |  | CO3 K4 |

**PART – C**

**Answer ALL questions**

**3 x 12 = 36**

**Each answer should not exceed 800 words or four pages**

- |  |  |        |
|--|--|--------|
| 10. a. Discuss the case study method, with reference to its strengths and limitations.     |  | CO1 K2 |
| (or)   |  |        |
| 10. b. Discuss the ethnographic research, with reference to its strengths and limitations. |  | CO1 K2 |
| 11. a. Examine the types of true-experimental designs with suitable illustrations.         |  | CO2 K5 |
| (or)   |  |        |
| 11. b. Examine the types of quasi-experimental designs with suitable illustrations.        |  | CO2 K5 |
| 12. a. Describe the general structure and organization of a research report.               |  | CO3 K2 |
| (or)   |  |        |
| 12. b. Describe various style manuals used in research reporting.                          |  | CO3 K2 |

**No. of Copies: 8**

**Staff in-charge: Ms. M. Vijayalakshmi**

*M. Vijayalakshmi*