



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)
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test I – August 2025 II SEMESTER

Class : I UG
Major: Special Education and Mathematics

Time: 2 hours
Maximum Marks: 60

21BAFU01 Fundamentals of Research

Course Outcomes:

At the end of the course, students will:

1. understand the importance of research
2. impart knowledge on the methods of data collection and analysis
3. give basic foundation of statistics
4. introduce the skill of report writing

Part-A

6x1=6

Choose the correct answer

1. The first step in the research process is CO1K1
a. Data analysis b. Hypothesis testing
c. Identifying the research problem d. Writing the report
2. This is not a characteristics of good research CO1K1
a. Systematic b. Logical c. Biased d. Objective
3. An example of primary data is CO2K1
a. A government report b. Data from a newspaper
c. Textbooks d. Data collected through a survey
4. The method commonly used in quantitative research CO2K1
a. Interviews b. Observation
c. Surveys d. Case Studies
5. The following is not a measure of central tendency CO3K1
a. Mean b. Mode
c. Median d. Standard deviation
6. The lowest level of measurement CO3K1
a. Ordinal b. Interval
c. Ratio d. Nominal

Part- B

3x6=18

Answer ALL Questions

Each answer should not exceed 400 words or two pages

7. a. Explain the significance of research. CO1K2
(or)
7. b. Describe the research objectives. CO1K2.
8. a. Elaborate on survey method. CO2K2
(or)
8. b. Explain on primary and secondary data method. CO2K2
9. a. Explain the source of error in measurement. CO3K4
(or)
9. b. Describe on Measurement of Scales. CO3K2

Part-C

3x12=36

Answer ALL questions

Each answer should not exceed 800 words or four pages

10. a. Explain the steps involved in research. CO1K2
(or)
10. b. Explain the Types of Research CO1K2
11. a. Explain on Experimental method. CO2K2
(or)
11. b. Explain on Direct observation method CO2K2
12. a. Explain on Measures of Central Tendency. CO3K2
(or)
12. b. Explain on Measures of Dispersion CO3K2

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