



Maximum

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 - October 2022
SEMESTER I

Class: **I M.Ed.**

Max. Marks: **60**

Major: **Education**

Time: **2 Hrs**

21MEDC03- 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 Apply basic concepts in Statistics to educational research.

PART – A

Choose the correct answer

6 x 1 = 6

1. Research is related with: CO1K3
a. Discovery of new idea b. Solution of a problem
c. Investigation of a problem d. All of the above
2. Research is _____ CO1 K2
a. Searching again and again b. Finding solution to any problem
c. Working in a scientific way to search for truth of any problem d. None of the above
3. Analytical research is the type of research that: CO2 K2
a. Discovers ways of finding solution of an immediate problem. b. Gathers knowledge skill.
c. Is useful for formulating hypothesis or testing hypothesis. d. Analyze the facts or information already available.
4. Applied research is also called: CO2 K1
a. Analytical research b. Empirical research
c. Contractual research d. Qualitative research
5. From the list given below, identify those which are called 'non-Probability Sampling' procedures: CO2 K3
i. Simple random sampling
ii. Dimensional sampling
iii. Snowball sampling
iv. Cluster sampling
v. Quota sampling
vi. Stratified sampling
a. i, ii and iii b. ii, iv and v
c. i, iii and iv d. ii, iii and v
6. When a researcher rejects a true 'Null Hypothesis' (Ho) in his/her study and accepts the 'Alternate Hypothesis' (H1), what type of error is likely? CO1 K1
a. Type I error b. Type II error
c. Both Type I and Type II error d. Neither Type I nor Type II error

PART – B

Answer ALL questions

3 x 6= 18

Answer should not exceed 400 words or two pages

7. a. List the Qualities of a researcher. CO1 K4
(OR)
7. b. Describe the role of computer technology in research. CO1 K2
8. a. Explain the concept and difference between Conceptual Vs Empirical types of research. CO2 K2
(OR)
8. b. Write the need and importance of descriptive method of research CO2 K6
9. a. List the Criteria for selection of a research problem and its sources CO2 K4
(OR)
9. b. Identify what type of Sample method is the below statement and justify. CO2 K5
Inspectors for a hospital chain with multiple locations randomly select some of their locations for a cleanliness check of their operating rooms. The inspectors check every operating room in the hospitals that were chosen.

PART – C

Answer ALL questions

3 x 12 = 36

Answer should not exceed 800 words or four pages

10. a. List the significance of Educational research. CO1 K5
(OR)
10. b. What are the criteria of good research? CO1 K5
11. a. Distinguish the merits and demerits of Fundamental Vs Applied research CO2 K4
(OR)
11. b. Compare survey method of research and experimental method of research with an example. CO2 K5
12. a. Elaborate the types of research problem with an example CO2 K6
(OR)
12. b. Explain Probability Sampling method in detail with an example for each method CO2 K5

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