

Avinashlingam Institute For Home Science and Higher Education For Women
Coimbatore – 641 043.

Continuous Internal Assessment Test II - October 2019
Semester I

Class : I.M.Ed.
Major: Education

Max. Marks: 45
Time: 2 Hrs.

18MEDCO3 – Introduction to Educational Research and Statistics

Course Outcomes:

1. Independently search for, integrate and critically assess research information within the field of education.
2. Design different data collection methods and conduct an indepth interview, a focus group, qualitative case study and a mixed method study.
3. construct instruments for the measurement of different psychological, sociological, technological and other educational factors.
4. Enter, analyze and interpret the results of the data using SPSS and Microsoft Excel.
5. Apply basic concepts in Statistics to educational research.

Part – A

6 x ½ = 3

Choose the correct answer

1. Various opinion poll at the time of election is an example of
a. Cross-sectional survey
b. Longitudinal survey
c. Cohort study
d. Panel survey
2. The variable to be manipulated is called ----- variable
a. Independent
b. Dependent
c. Extraneous
d. Intervening
3. One of the followings can be considered as the primary source in History
a. Journals
b. Text book
c. Ear sake evidence
d. Government G.O
4. Which of these is not a tool of data collection?
a. Rating Scale
b. Experiment
c. Questionnaire
d. Checklist
5. SPSS stands for
a. Statistical presentation for Social Science
b. Statistical Package for Social Studies
c. Statistical Package for Social Sciences
d. Statistical Power point for Social Studies
6. The “colour of skin” represents which scale of measurement?
a. Ordinal
b. Ratio
c. Nominal
d. Interval

3 x 4 = 12

Answer All the Questions

Each answer should not exceed 200 words or one page

7. a. If you are a true researcher, what qualities should you possess?
(or)
CO1 K3
7. b. Assess the role of literature review in a research
CO1 K4
8. a. List out the different types of hypothesis. Explain any one with example
CO2 K2
8. b. Explain any two methods of establishing reliability of a tool.
(or)
CO3 K2
9. a. Develop any two specific examples involving situations where either observation or interviewing would be more appropriate
CO3 K6
9. b. Explain the scales of measurement.
(or)
CO3 K2

Part – C

3 x 10 = 30

Answer All the Questions

Each answer should not exceed 600 words or three pages

10. a. Discuss the Criteria for selection of a research problem and mention its sources
CO3 K3
10. b. Evaluate the Non-Probability Sampling method in research
(or)
CO3 K5

11. a. What is the nature of Experimental research? Explain the factors affecting the internal validity in an experimental research CO2 K2

11. b. Use the following data to construct bar graph, frequency polygon and CO4 K6
 (or)
 Ogive.

Class interval	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Frequency	9	5	7	8	8	6	2	3	2

12. a. What is questionnaire? Discuss the main points that you will take into account while drafting a questionnaire? CO3K2

12. b. Explain the properties of a normal distribution. CO3 K2
 (or)

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