

Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore – 641 043.
Continuous Internal Assessment Test I - August 2018
SEMESTER I

Class : I.M.Ed.
Major: Education

Max. Marks: 45
Time: 2 Hrs.

19MEDC03: Introduction to Educational Research and Statistics

- 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: Enter, analyse, and interpret the results of data using SPSS and Microsoft Excel
CO4: Apply basic concepts in statistics to educational research

PART – A

Choose the correct answer:

6x ½ = 3

1. The nominal level of measurement is represented in which variable below? CO4 K2
 - a. Fear of crime
 - b. Income
 - c. Temperature
 - d. Gender
2. The research that is based on observed and measured phenomena and derives knowledge from actual experience rather than from theory or belief. CO2 K3
 - a. Descriptive
 - b. Empirical
 - c. Analytical
 - d. Historical
3. Qualitative data generally can include: CO2 K2
 - a. Only written material
 - b. Any sort of data that can be summarized with numbers.
 - c. Text, pictures, videos, sound recordings.
 - d. Equations

4. When an accurate measure of central tendency is needed ____ is useful CO4 K2
 - a. Mean
 - b. Median
 - c. Mode
 - d. Kurtosis
5. SPSS stands for CO3 K1
 - a. Statistical presentation for Social Science
 - b. Statistical Package for Social Studies
 - c. Statistical Package for Social Sciences
 - d. Statistical Power for Social Studies
6. The kurtosis for normally distributed data is CO4 K1
 - a. 2.96
 - b. 1.98
 - c. 2.58
 - d. 1.58

PART – B

3 x 4 = 12

Answer ALL questions

Each answer should not exceed 200 words or one page

7. a. What happens to the normal distribution curve when it is not symmetrical? CO4 K3
(or)
7. b. Construct a frequency table (i) with continuous data (ii) with discrete data CO4 K4
8. a. Differentiate Parameter and Statistics. (or) CO4 K2
8. b. Why should an M.Ed student learn educational research? CO1 K3
9. a. Construct a histogram for the following frequency distribution. CO4 K3

Class interval	10-20	20-30	30-40	40-50	50-60
Frequency	8	2	6	8	6

(or)

9. b. Differentiate qualitative and quantitative research. CO2 K2

PART - C

3 x 10 = 30

Answer ALL questions

Each answer should not exceed 600 words or three pages

- 10 a. Enumerate in detail the characteristics and application of NPC. C04 K2
(or)
- 10 b. Prepare a list of criteria required for a researcher in Education. C01 K1
- 11 a. Conceptual Vs Empirical research. Which is better? Justify your answer C01 K5
(or)

- 11 b. Illustrate with example the different types of research. C02 K5

- 12 a. Use the following data to construct bar graph, frequency polygon and Ogive. C04 K5

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

(or)

- 12 b. Make a flow chart to show the role of computers in different stages of research. C01 K6