



K. Sambit

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 II – October 2024
SEMESTER-I

Class : I M.Ed

Max. Marks: 60
Time: 2 Hrs

23MEDC03-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. Sample is regarded as a subset of -----, **CO3K2**
a. Data b. Set c. Distribution d. Population
2. A set of standardised questions used to gather data from individuals for research purposes is known as-----, **CO3K2**
a. Questionnaire b. Rating scale c. Test d. Attitudinal scale
3. Statistics refers to-----, **CO4K2**
a. Collection, analysis and interpretation of data
b. Observation of samples
c. Method for analysing numbers
d. Conducting census
4. The shape of the Normal curve is-----, **CO4K2**
a. triangular b. Bell shaped c. rectangular d. circular
5. The median of the given set of numbers 2,6,6,8,4,2,7,9 is-----, **CO5K3**
a. 6 b. 8 c. 4 d. 5
6. The difference between the maximum and minimum values given in a data set is-----, **CO5K3**

a. Standard deviation b. Mean deviation
c. Range d. Quartile deviation

PART – B

Answer ALL questions

3 x 6 = 18

Each answer should not exceed 200 words

7. a. State the characteristics of a good sample **CO3K2**
(OR)
7. b. Mention the tools and techniques of research **CO3K2**
8. a. What is the use of statistics in research? **CO4K2**
(OR)
8. b. Outline the applications of Normal probability curve in research study. **CO4K3**
9. a. Give the meaning of Descriptive statistics. **CO5K2**
(OR)
9. b. Write a note on skewness and kurtosis **CO5K2**

PART – C

Answer ALL questions

3 x 12 = 36

Answer should not exceed 800 words

10. a. Differentiate Probability and Non-Probability sampling methods. **CO3K3**
(OR)
10. b. How to construct a tool and assess its reliability and validity? **CO3K4**
11. a. Elaborate in detail the types of data used in statistics **CO4K2**
(OR)
11. b. Enumerate the data organization in SPSS **CO4K3**
12. a. Discuss on the measures of central tendency with merits and demerits. **CO5K2**
(OR)
12. b. Describe the measures of variability (any two) with suitable illustrations **CO5K3**

Staff in-charge: Dr.R.Vaijayanthi

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