



Murugan.

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 III - May 2023
II Semester

Class: I B.Ed./ I B.Ed.SpL./ I B.P.Ed.

Time: 3 Hours
Max. Marks: 100

21BAFU01 Fundamentals of Research

Part A
Choose the Correct Answer

10x1=10

1. A research is a
 - a. Lab experiment
 - b. Systematic and scientific inquiry
 - c. Procedure
 - d. Report
2. Which of the following is not the method of Research?
 - a. Survey
 - b. Historical
 - c. Observation
 - d. Philosophical
3. Questions in which only two alternatives are possible is called
 - a. Multiple choice questions
 - b. Dichotomous questions
 - c. Open ended questions
 - d. Structured questions
4. Cluster sampling, stratified sampling and systematic sampling are types of
 - a. Direct sampling
 - b. Indirect sampling
 - c. Random sampling
 - d. Non random sampling
5. Which of the following measurement scale has a natural zero?
 - a. Ordinal
 - b. Ratio
 - c. Nominal
 - d. Interval
6. Which of the following is not a measure of central tendency?
 - a. Mode
 - b. Mean
 - c. Range
 - d. Median
7. The variable being tested & measured in a scientific experiment is
 - a. Dependent
 - b. Independent
 - c. Subjective
 - d. Fixed
8. ANOVA is
 - a. A government body which collects social statistics
 - b. The name of a statistical software package
 - c. A one-way analysis of variance
 - d. A two-way analysis of variance
9. Final stage in the Research Process is
 - a. Problem formulation
 - b. Data collection
 - c. Data analysis
 - d. Report writing
10. The process of identifying & reporting unethical or unsound research is called
 - a. Research ethics
 - b. Research misconduct
 - c. Study design
 - d. Falsification

Part B

5x6=30

Answer All questions

Each answer should not exceed 400 words or two pages

- 11.a. Write a short note on significance of research.
(or)
- 11.b. Brief about research protocol.
- 12.a. Throw light on primary data collection methods.
(or)
- 12.b. Brief about the direct observation method with a suitable example.
- 13.a. Briefly explain about measures of central tendency.
(or)
- 13.b. Write short notes on graphical representation of data.
- 14.a. Bring out the types of hypothesis.
(or)
- 14.b. Write a note on Chi square test.
- 15.a. Explain in brief about bibliography.
(or)
- 15.b. Highlight the importance of research ethics and integrity.

Part – C

5x12=60

Answer All questions

Each answer should not exceed 800 words or four pages

- 16.a. Elucidate in detail about concepts, constructs and variables.
(or)
- 16.b. Explain in detail about steps in research.
- 17.a. Detail about the qualitative methods of data collection.
(or)
- 17.b. Explain about the types of sampling.
- 18.a. Write in detail about sources of error in measurement.
(or)
- 18.b. Explain in detail about measures of dispersion.
- 19.a. Elaborate on the concept of ANOVA with an appropriate example.
(or)
- 19.b. Enumerate on testing of hypothesis with proper examples.
- 20.a. Write in detail about report writing.
(or)
- 20.b. Explain about the misconduct in research and its consequences in detail.
