



N.S.

Murugesu

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 UG
Branch : All majors

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 and 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 and reporting unethical or unsound research is called
 - a. Research ethics
 - b. Research misconduct
 - c. Study design
 - d. Falsification

Part B
Answer All questions
Each answer should not exceed 400 words or two pages

5x6=30

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.
