

NOVEMBER 2023
EBS 339
INTRODUCTION TO RESEARCH METHODS
IN EDUCATION
30 MINUTES

Candidate's Index Number
Signature:

UNIVERSITY OF CAPE COAST
COLLEGE OF EDUCATION STUDIES
SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH
INSTITUTE OF EDUCATION

COLLEGES OF EDUCATION
FOUR-YEAR BACHELOR OF EDUCATION (B.ED)
THIRD YEAR, SECOND SEMESTER MID-SEMESTER QUIZ, NOVEMBER 2023

24TH NOVEMBER 2023 INTRODUCTION TO RESEARCH METHODS 3:00 PM – 3:30 PM
IN EDUCATION

Answer ALL the questions.
(20 MARKS)

Items 1 to 20 are stems followed by four options lettered A to D. Read each item carefully and circle the letter of the correct or best option.

1. What is the name of the conceptual framework in which research is carried out?
 - A. Research design
 - B. Research hypothesis
 - C. Research paradigm
 - D. Synopsis of Research
2. When a research problem is related to a heterogeneous population, the most suitable sampling method is
 - A. cluster.
 - B. convenient.
 - C. lottery method.
 - D. stratified.
3. A researcher intends to explore the result of possible factors for the organization of effective mid-day meal interventions. Which research method will be **most appropriate** for this study?
 - A. Descriptive survey
 - B. Experimental
 - C. Ex-post facto
 - D. Historical
4. In pursuing research, which of the following is required **first**?
 - A. Deciding on the data analysis procedure
 - B. Developing a research design
 - C. Formulating a research hypothesis
 - D. Formulating a research instrument

5. Which of the following **does not** correspond to the characteristics of research? Research is
- not a problem-oriented.
 - not a process.
 - not passive.
 - systematic.
6. Which of the following is the first step in starting the research process?
- Identification of the problem.
 - Observation of issues or events.
 - Searching for solutions to the problem.
 - Survey of related literature.
7. A researcher is interested in studying the prospects of a particular political party in an urban area. What would be the most appropriate data collection tool to use for the study?
- Interview
 - Observation
 - Questionnaire
 - Rating Scale
8. A null hypothesis is
- subjective in nature.
 - the same as the research hypothesis.
 - when there is a difference between the variables.
 - when there is no difference between the variables.
9. A research problem is feasible **only** when it
- has more than three variables.
 - has utility and relevance.
 - is new.
 - is not researchable.
10. What is the most common method of data collection in quantitative research?
- Focus groups
 - Interviews
 - Observation
 - Questionnaires
11. What is a dependent variable in research? A variable that is
- controlled by the research participants.
 - manipulated by the researcher.
 - not affected by other variables.
 - response or outcome of the study.
12. Which of the following sampling methods is appropriate to study the prevalence of AIDS amongst males and females in Akwabosom in 1976, 1986, 1996, and 2006?
- Cluster
 - Quota
 - Stratified
 - Systematic

13. Which of the following is an example of a primary data source in research?
- A. Encyclopaedias
 - B. Interviews
 - C. Review articles
 - D. Textbooks
14. Which of the following is a non-probability sampling method?
- A. Cluster
 - B. Convenience
 - C. Simple random
 - D. Stratified
15. Articles published in research journals are sources of data.
- A. primary
 - B. reference
 - C. secondary
 - D. tertiary
16. Which of the following statements is **not** correct about a questionnaire?
- A. A technique for collecting data
 - B. An expensive method to collect data
 - C. It is quick and easy to collect results
 - D. Large amounts of information can be collected
17. A systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena is called research.
- A. applied
 - B. basic
 - C. explanatory
 - D. qualitative
18. Which type of research is undertaken to provide answers to questions of who, what, where, when, and how but **not** why?
- A. Basic
 - B. Correlational
 - C. Descriptive
 - D. Explanatory
19. Which research refers to scientific study and research that seeks to solve practical problems in a researcher's immediate environment?
- A. Action
 - B. Basic
 - C. Correlational
 - D. Explanatory
20. All the following are sources of literature review **except**
- A. articles.
 - B. books.
 - C. discussions.
 - D. journals.