



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING AND MIDWIFERY SCIENCES
BSC.NURSING AND BSC MIDWIFERY PROGRAMS
END OF SEMESTER EXAMINATIONS DECEMBER 2023**

**COURSE CODE AND TITLE: BSN 316 NURSING RESEARCH; April 2022 and Sept 2021
classes**

DATE: 14-DECEMBER-2023

TIME: 2 Hours Start: 11:15 AM Finish: 1:15 PM

INSTRUCTIONS

1. This exam is out of 70 marks
2. The Section A is compulsory with a Total of 20 Marks
3. Answer any ALL questions in Section B with a total of 30 marks
4. In the Long Answer questions section C answer only one question with a total of 20mrks
5. The exam shall take 2 hours

SECTION A: MULTIPLE CHOICE QUESTIONS

20 MARKS

1. A nursing research problem can be reliably identified through: -
 - A. Existing theories and nurses' notes
 - B. Personal experiences and nursing staff meetings deliberations
 - C. Existing literature and previous research studies
 - D. The media and patient cardex notes

2. A research design that doesn't meet all principles of experimental research is: -
 - A. Mixed methods design
 - B. Retrospective study design
 - C. Quasi-experimental design
 - D. Descriptive study

3. The following verbs should be used when stating a specific objective in research: -
 - A. Find out, determine, establish
 - B. Explore, Confirm, Understand
 - C. Determine, Find out, Synthesize
 - D. Assess, Mitigate, Extrapolate

4. Exploratory research mainly involves: -
 - A. Investigating the full nature of a phenomenon
 - B. Predicting and controlling variables
 - C. Establishing causal relationships between variables
 - D. Testing hypothesis to develop a theory

5. The following tools are used for citations: -
 - A. Mendeley and Almanac
 - B. Endnote and zotero
 - C. My loft and Endnote
 - D. Zotero and Almanac

6. Sample size calculation is dependent on the following: -
 - A. Degree of variability and duration of the study
 - B. Level of precision and level of confidence
 - C. Power of the study and research questions
 - D. Research questions and duration of the study

7. Bias in sample selection is minimized through: -
- A. Random sampling
 - B. Purposive sampling
 - C. Convenient sampling
 - D. Quota sampling
8. Research methodology refers to: -
- A. Chain of association between the research question and the research design
 - B. Sample Size and sampling methods
 - C. Quantitative and qualitative studies
 - D. The tools a researcher uses for data collection
9. In qualitative studies: -
- A. There is no problem statement definition
 - B. The sample size should always be above 50 study subjects
 - C. An FGD session should have 6-8 participants
 - D. Key informant interviews are the most preferred
10. A level of significance of 5% in sample size calculation depicts: -
- A. The probability of rejecting a null hypothesis when it is true
 - B. The probability of accepting a null hypothesis when it is false
 - C. Proportion of study units to be selected from the control site
 - D. Proportion of the minimum study units that will be included in a study
11. In APA referencing style: -
- A. Citations have the author and year only
 - B. At the end of paper, references are not Alphabetized
 - C. Single spacing is encouraged
 - D. Citations includes the author, year and page number
12. Cochran formula is commonly used to calculate sample size in: -
- A. Infinite populations
 - B. Finite populations
 - C. Quasi-experimental studies
 - D. Interventional studies

13 In data analysis an Odds ratio refers to the: -

- A. Probability of occurrence of an event to that of non-occurrence
- B. Chance of all events under study occurring at once in a setting
- C. Probability of the study bringing out the intended results
- D. Level of sampling error during the sampling process

14. When testing tools for data collection: -

- A. Do it at the same site where actual data collection shall take place
- B. Conduct in a contiguous site to the actual site for data collection
- C. It should happen at the buffer zone
- D. It is carried out on the same day actual data collection shall start

15. A conceptual framework: -

- A. Shows the relationship between dependent and independent variables
- B. Is used to challenge theoretical frameworks
- C. Helps to illustrate the null and alternative hypothesis
- D. Primarily helps reviewers to assess capacity of the researcher

16. Structured Observational research is a form of a: -

- A. Quantitative study
- B. Qualitative study
- C. Mixed methods study
- D. Historical study

17. The following are components of an abstract in a research report: -

- A. Title of the study and study area
- B. Main objective and study design
- C. Research methods and statement of the problem
- D. References and citations

18. Action Research: -

- A. Only generates basic knowledge
- B. Helps diagnose problems and develops practical solutions
- C. Is only carried out in academic settings for higher education
- D. Entails implementing known solutions to solve known problem

19. Hawthorn effect in research happens when: -

- A. Study subjects change behavior because they are being evaluated
- B. The researcher is biased in favor of the female gender
- C. The study findings have no significant variables
- D. No respondents are willing to respond to a questionnaire

20. The predictor variables in research are: -

- A. Manipulatable by the researcher to determine their effect on another variable
- B. The total sum of effects from independent variables
- C. Those that affect the outcome of a research indirectly
- D. Always identified and selected at the point of starting data collection

SECTION B: SHORT ANSWER QUESTIONS (30 MARKS)

- 1. State five (5) credible sources of literature when writing a research proposal (5 Marks)
- 2. Outline five (5) characteristics of experimental studies (5 Marks)
- 3. State five (5) probability sampling approaches (5 Marks)
- 4. State five (5) characteristics of a qualitative study (5 Marks)
- 5. State five (5) components of a consent form in research (5 Marks)
- 6. State five (5) ethical considerations a researcher should observe (5 Marks)

SECTION C: LONG ANSWER QUESTION (ANSWER ONE QUESTION)- 20MARKS

- 1. Describe the process of carrying out research (20 marks)
- 2. Design a consent form for a study on determinants of antenatal care services utilization (20 marks)