



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING & MIDWIFERY
SCIENCES END OF SEMESTER AUGUST 2025
EXAMINATIONS**

COURSE CODE AND TITLE: BSN 316 – Nursing Research Methods

DATE: Monday 4th August 2025

Duration: 2 HOURS Start: 1400HRS Finish: 1600HRS

INSTRUCTIONS

1. This exam is out of 60 marks
2. This Examination comprises THREE Sections. Section I: Multiple Choice Questions (20 Marks) Section II: Short Answer Questions (30 marks) and Section III: Long Answer Questions (20 marks)
3. Answer ALL Questions.
4. Do Not write anything on the question paper -use the back of your booklet for rough work if need be.

SECTION I: MULTIPLE CHOICE QUESTIONS: 20 MARKS)

1. The following is a characteristic of a well-formulated research problem: -
 - A. Too broad to manage
 - B. Based on personal bias
 - C. Researchable and clearly stated
 - D. Dependent on results
2. The purpose of the background section is to:
 - A. Provide a summary of literature
 - B. Justify the need for the study
 - C. Explain the theoretical framework
 - D. Present tables and graphs
3. A null hypothesis:
 - A. Suggests a relationship exists
 - B. Is used only in qualitative research
 - C. Suggests no significant relationship exists
 - D. Is the same as an objective
4. Research objectives should be:
 - A. Open-ended
 - B. Vague and theoretical
 - C. Measurable and achievable
 - D. Unrelated to the problem
5. The following is a major source of empirical literature: -
 - A. TV news
 - B. Personal opinions
 - C. Peer-reviewed journal articles
 - D. Conference brochures
6. A conceptual framework is important because it:
 - A. Reviews previous studies
 - B. Shows variable relationships in the study
 - C. Replaces data collection tools
 - D. Is not required in quantitative studies
7. In literature review, a research gap refers to:
 - A. The space between paragraphs
 - B. An area already well-researched
 - C. An unexplored or under-researched area
 - D. A statistical term
8. A theoretical framework:
 - A. Summarizes sampling methods
 - B. Is based on established theories to support your study
 - C. Is not used in undergraduate proposals
 - D. Replaces the problem statement
9. In nursing research, the best design for comparing two groups is:
 - A. Cross-sectional design
 - B. Case study

- C. Quasi-experimental
 - D. Action research
10. The target population refers to:
- A. Individuals not related to the study
 - B. The entire group the researcher wishes to study
 - C. Only nurses on day shift
 - D. The researcher's classmates
11. Purposive sampling is best used in:
- A. Quantitative research
 - B. Randomized trials
 - C. Qualitative research
 - D. National census
12. The following is a quantitative data collection method: -
- A. Focus group discussion
 - B. In-depth interview
 - C. Structured questionnaire
 - D. Participant observation
13. In qualitative research, analysis typically involves:
- A. Bar charts and pie graphs
 - B. Thematic content analysis
 - C. Regression modeling
 - D. Hypothesis testing
14. Quantitative data is best presented using:
- A. Themes and codes
 - B. Tables, charts, and graphs
 - C. Story narratives
 - D. Anecdotes
15. The following is NOT a step in data analysis?
- A. Coding
 - B. Editing
 - C. Guessing
 - D. Interpretation
16. During analysis, the main aim is to:
- A. Copy data into PowerPoint
 - B. Draw valid conclusions from data
 - C. Summarize interviews
 - D. Perform laboratory tests
17. Recommendations in a research project should be:
- A. Based on opinions
 - B. Supported by research findings
 - C. Derived from introduction
 - D. Copied from other studies
18. The following is a good conclusion in research: -
- A. It repeats the problem statement
 - B. It introduces new data

- C. It summarizes key findings
 - D. It criticizes previous studies
19. The part of the report gives direction for policy or practice: -
- A. Literature review
 - B. Recommendations
 - C. Objectives
 - D. Background
20. The one function of Chapter Five: -
- A. Data coding
 - B. Research design
 - C. Making evidence-based conclusions
 - D. Tool development

SECTION II: SHORT ANSWER QUESTIONS: (30 MARKS)

1. Describe five elements that should be included in a good problem statement in nursing research.
2. Identify and briefly explain five components of a literature review.
3. Outline five ethical considerations when conducting a study on postpartum care in midwifery.
4. Explain five reasons for choosing a descriptive research design in a nursing study.
5. Briefly describe the process of coding and analyzing qualitative interview data.
6. State five key elements that should be included in the recommendations section of a research report

SECTION III: LONG ANSWER QUESTIONS (20 MARKS)

1. You are planning to conduct a study on “The impact of community-based nursing interventions on improving antenatal clinic attendance among rural women in Kenya.”
 - a) Formulate the research problem and background to the study. (5 Marks)
 - b) Write two SMART objectives and corresponding research questions. (4 Marks)
 - c) Describe the theoretical and conceptual frameworks applicable to this study (4 Marks)
 - d) Propose an appropriate research design, sampling technique, and data collection tool. (5 Marks)
 - e) State two key recommendations you would likely make based on expected findings. (2 Marks)