



**AMREF INTERNATIONAL UNIVERSITY  
SCHOOL OF MEDICAL SCIENCES  
DEPARTMENT OF NURSING & MIDWIFERY SCIENCES  
BACHELOR OF SCIENCE IN MIDWIFERY  
EXAMINATION- APRIL 2026**

**BSM 315: Midwifery Research**

**DATE: 8<sup>TH</sup> APRIL 2026**

**DURATION: 2 HOURS    START:09.00 AM    FINISH: 11.00 AM**

**INSTRUCTIONS**

1. This exam is out of 70 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
5. Use the back of your booklet for rough work if need be
6. Write your University Registration Number correctly on all pages of the booklet(s) used

**SECTION I: MULTIPLE CHOICE QUESTIONS (20 MARKS)**

1. Simple random sampling in research designs implies:
  - A. Equal chance and reliability
  - B. Specificity and sensitivity
  - C. Equal independent chance of inclusion
  - D. Equal chance and validity
2. Research hypotheses are supposed to be:
  - A. Accepted or rejected
  - B. Approved or disapproved
  - C. Correct or incorrect
  - D. Known or unknown
3. Randomization, manipulation, and control are characteristics of:
  - A. Quasi-experimental research design
  - B. True experimental research design
  - C. Non-experimental research design
  - D. Observational research design
4. Qualitative studies are described as:
  - A. Formal
  - B. Systematic
  - C. Objective
  - D. Subjective
5. Outcome variable is also referred to as:
  - A. Response variable
  - B. Predictor variable
  - C. Independent variable
  - D. Dummy variable
6. A histogram is characteristically constituted of joined bars because it displays:
  - A. A categorical variable
  - B. A discrete variable
  - C. A continuous variable
  - D. A dummy variable
7. A sample mean of the research findings is always presented with:
  - A. Mode
  - B. Standard deviation
  - C. Median
  - D. Range
8. The application of study findings to similar study settings is known as:
  - A. Generalizability
  - B. Reliability
  - C. Proposition
  - D. Supposition
9. A frequency polygon is also known as:
  - A. Histogram

- B. Bar graph
  - C. Ogive
  - D. Line graph
10. Mean, mode, and median are:
- A. Measures of association
  - B. Measures of morbidity
  - C. Measures of central tendency
  - D. Measures of dispersion
11. The study of the lived experience of the study participants is known as:
- A. Phenomenology
  - B. Ethnography
  - C. Grounded theory
  - D. Ethno-methodology
12. Inductive reasoning is largely applied in:
- A. Quantitative studies
  - B. Surveys
  - C. Census
  - D. Qualitative studies
13. The external validity of study findings implies:
- A. Reliability of study findings
  - B. Generalizability of the study findings
  - C. Proposition of study findings
  - D. Supposition of study findings
14. Standard deviation, range, variance, and semi-quartile range are:
- A. Measures of association
  - B. Measures of morbidity
  - C. Measures of central tendency
  - D. Measures of dispersion
15. Deductive reasoning is largely applied in:
- A. Quantitative studies
  - B. Surveys
  - C. Census
  - D. Qualitative studies
16. An inference in a statistical analysis refers to:
- A. Describing the outcome
  - B. Determining an association
  - C. Generating hypothesis
  - D. Narrative summaries
17. Closeness of a measurement value to its true value is referred to as:
- A. External validity
  - B. Internal validity
  - C. Accuracy in research
  - D. Reliability

18. True class limits are considered in the construction of a:
- A. Histogram
  - B. Bar graph
  - C. Pie chart
  - D. Diagram
19. Which of the following is the class width of a class interval of 20-29 age of the study participants?
- A. 11
  - B. 10
  - C. 24.5
  - D. 9
20. Case control, and cohort are examples of:
- A. True experimental studies
  - B. Quasi-experimental studies
  - C. Interventional studies
  - D. Observational studies

**SECTION II: SHORT ANSWER QUESTIONS (30 MARKS)**

1. Define the following terms
  - a. Research (1 mark)
  - b. Sampling (1 mark)
  - c. Element (1 mark)
  - d. Hypothesis (1 mark)
  - e. Census (1 mark)
2. Outline five (5) steps of a random sampling procedure (5 marks)
3. State five (5) characteristics of quantitative research (5 marks)
4. Describe two (2) dimensions of conducting a quantitative study (5 marks)
5. Outline five (5) non-probability sampling methods (5 marks)
6. Outline five (5) methods of disseminating research findings (5 marks)

**SECTION III: LONG ANSWER QUESTIONS (20 MARKS)**

1. You are expected to conduct scientific research as a partial requirement for the award of the Degree of Bachelor of Science in Midwifery. Describe the six steps of the conceptual phase of your research process (20 marks)