



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING AND MIDWIFERY SCIENCES
BSC.NURSING UPGRADING PROGRAM
END OF SEMESTER EXAMINATIONS APR/MAY 2026**

BSN 316: Nursing Research

DATE: 7th APRIL 2026

TIME: 2 Hours

Start: 9:00am

Finish: 11:00am

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 (SAQs) – 20 MARKS

ANSWER ALL QUESTIONS

1. In qualitative research, sampling is based on,

- A. Significance
- B. Representativeness
- C. Incidence of an outcome
- D. Prevalence of an outcome

2. Experimental study designs are associated with,

- A. High risk of data contamination
- B. Randomization
- C. Simple random sampling
- D. Low validity and reliability of results

3. Inferential statistics helps the researcher to,

- A. Estimate population values
- B. Reduce sampling error
- C. Calculate measures of central tendency
- D. Obtain actual values for population parameters

4. Epistemological study designs are mostly,

- A. Qualitative
- B. Quantitative
- C. Mixed methods
- D. Experimental

5. Nursing researchers should consider the following when choosing a research topic,

- A. Years of experience in nursing profession
- B. Problem significance
- C. The supervisor's areas of interest
- D. Organizational culture

6. If a test of significance gives a p-value lower than the α -level,

- A. The Null hypothesis (H_0) is rejected
- B. The Null hypothesis is accepted
- C. Both Null and alternative (H_1) hypothesis are rejected
- D. The population mean is accepted

7. Questionnaires,

- A. Require rigorous skills to administer
- B. Are less inclined to impress the investigator
- C. Applicable in simultaneous data collection from small groups
- D. Are more expensive to administer

8. The following is a correctly stated research objective,

- A. To understand why women are not using antenatal care services
- B. Check the role of nurses in promoting male involvement in post-natal care
- C. Determine community barriers to uptake of vaccines
- D. To inquire into the factors associated with risky health behaviors in the region

9. Components of a research report includes the following,

- A. Hypothesis, executive summary and literature review
- B. Problem statement, budget and discussion
- C. Workplan, hypothesis and budget
- D. Introduction, methodology and results

10. Level of precision in sample size calculation refers to,

- A. The range in which the true value of the population is estimated to be
- B. The probability of accepting a null hypothesis when it is false
- C. The distribution of attributes in the population
- D. Proportion of the minimum study units that will be included in a study

11. In sampling,

- A. The smaller the sample the better
- B. Larger samples do reduce the sampling error
- C. Minimum suggested sample size is 50 with upper limit of 2000
- D. One formula for calculating sample sizes is used in all study designs

12. In sample size calculation, Census approach is used where,

- A. The study is cross-sectional
- B. Study populations are small
- C. A research is interventional in nature
- D. The researcher has a limited budget

13. A confounder in research,

- A. Affects the actual relationship between variables being studied
- B. Makes the researcher sample more study subjects than anticipated
- C. Leads to adoption of cross-sectional instead of quasi-experimental study design
- D. Always significantly reduces the cost of research to the benefit of the researcher

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 citation in Literature review refers to,

- A. Full bibliographic information at the end of literature review
- B. Part of a text in literature review acknowledging source of information
- C. The order in which authors in a piece of a research are arranged
- D. The level of confidentiality maintained while carrying out research

16. The aim of basic research is to,

- A. Expand knowledge base
- B. Address specific problems affecting practice
- C. Generate income for the research team and their assistants
- D. Validate information that other researchers have shared in conferences

17. The components of an abstract in a research report includes,

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

18. Applied 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 problems

19. Ninety five percent (95%) confidence level means that,

- A. The researcher is 95% confident that population mean falls within confidence interval
- B. There is 95% chance of sample means being outliers
- C. The variables from the questionnaire will have a minimum score of 95%
- D. The study findings will only be 5% relevant to the general public

20. In systematic literature review,

- A. Mapping of existing literature is done
- B. Pre-set rules guide the literature source review
- C. Quantitative results are pooled from multiple studies
- D. Only primary and secondary sources are considered

SECTION B: SHORT ANSWER QUESTIONS

ANSWER ALL QUESTIONS – 30 MARKS

1. State five (5) characteristics of qualitative research (5 Marks)
2. state five (5) ways through which a research report is disseminated (5 Marks)
3. State five (5) reasons why sampling is carried out in research (5 Marks)
4. State five examples of grey literature in research (5 Marks)
5. Outline five (5) functions of literature review (5 marks)
6. State any five (5) sources of a research topic (5 marks)

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

1. Describe the various ethical considerations that should be considered when carrying out research (20 marks)
2. Describe the process of carrying out nursing research (20 marks)

AMMU