



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING AND MIDWIFERY SCIENCES
BSC.NURSING AND BSC MIDWIFERY PROGRAMS
END OF SEPTEMBER-DECEMBER SEMESTER 2022 EXAMINATIONS**

BSN 316 NURSING RESEARCH

DATE: 29TH NOVEMBER 2022

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
6. Do Not write anything on the question paper -use the back of your booklet for rough work if need be

SECTION A: MULTIPLE CHOICE QUESTIONS (SAOs) – 20 MARKS

ANSWER ALL QUESTIONS

1. Observation as a data collection method, it is,
 - A. Is less time consuming
 - B. Dependent on memory and personal discipline
 - C. Not limited by observer's bias
 - D. Has limited scope of information collected

2. The following is an interventional research design,
 - A. Cross-sectional survey
 - B. Longitudinal survey
 - C. Cohort study
 - D. Experimental study

3. A case series has,
 - A. Collection of individual case reports
 - B. Periodic documentation of a research subject's progress
 - C. Historical data on a phenomenon from a given institution
 - D. A set of qualitative data from various observers

4. A literature search is carried out to,
 - A. Identify authors the researcher shares interest with
 - B. Find out what has been written about the chosen subject
 - C. Identify the best peer reviewed journals to publish in
 - D. Know the years when authors started researching on your subject

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. In a research that aims to determine the effect of housing on occupational health,
 - A. Housing is a dependent variable
 - B. Occupational health is independent variable
 - C. Housing is independent variable
 - D. Both housing and occupational health are dependent variables

7. Bias in sample selection can be minimized through,
 - A. Random sampling
 - B. Purposive sampling
 - C. Convenient sampling
 - D. Quota sampling

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. A level of significance of 5% in sample size calculation ,refers to,
- 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. Odds ratio is a measure of,
- A. Association between an exposure and outcome
 - B. The probability of the researcher getting desirable sample size
 - C. The difference in group means
 - D. Comparison between two population means
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. 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. Quantitative research,

- A. Targets very few participants
- B. Collects information under conditions of control
- C. Is more subjective
- D. Involves data collection in words

SECTION B: SHORT ANSWER QUESTIONS

ANSWER ALL QUESTIONS – 30 MARKS

1. State five (5) reasons why literature review is important in research (5 Marks)
2. state five (5) ways through which a research report is disseminated (5 Marks)
3. Highlight three (3) reasons why sampling is carried out in research (3 Marks)
4. Outline the first six (6) steps in research process (6 Marks)
5. Identify six (6) barriers to carrying out nursing research (6 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 in research (20 marks)
2. Describe any five sampling methods and for each state the associated merits and demerits (20 marks)