



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING & MIDWIFERY SCIENCES
BACHELOR OF SCIENCE IN NURSING
END OF JANUARY-APRIL SEMESTER 2023 EXAMINATIONS**

COURSE CODE AND TITLE: BSN 316/BSM 315: NURSING/MIDWIFERY RESEARCH

DATE: 17TH APRIL 2023

TIME: 2 Hours

Start: 9:00am

Finish: 11:00am

INSTRUCTIONS

1. This exam is out of 70 marks
2. This Examination comprises THREE Sections.
Section A: Multiple Choice Questions (20 marks)
Section B: Short Answer Questions (30 marks), and
Section C: Long Answer Questions (20 marks)
3. 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 (SAQs) – 20 MARKS

1. In research, control groups,
 - A. Have different characteristics from the intervention group
 - B. Serves to evaluate performance of the treatment group
 - C. Are never affected by observer's bias
 - D. Are usually selected purposefully
2. Cronbach's alpha is used to measure,
 - A. Sufficiency of research budget
 - B. Probable duration of a research
 - C. Dependability of research assistants
 - D. Validity of study instruments
3. Causes of Low vaccine uptake in a community can be researched through,
 - A. Descriptive cross-sectional survey
 - B. Quasi experimental study design
 - C. Experimental study design
 - D. Case control study design
4. The following is an advantage of a focus group discussion data collection approach,
 - A. It is more expensive than individual interviews
 - B. Many ideas are collected on the topic of interest
 - C. Helps interpret data without use of a software
 - D. Is more preferred by many peer reviewed journals
5. In a study on the effect of the level of anxiety on post-operative pain,
 - A. Anxiety is a dependent variable
 - B. Post-operative pain is a dependent variable
 - C. Anxiety is an extraneous variable
 - D. Post-operative pain is an independent variable

6. The Beneficence ethical principle in research requires that,
- A. All study subjects are given an incentive during data collection
 - B. Study subjects are guaranteed of compensation in case there is adverse outcome
 - C. Whatever is done to study subjects is for their good
 - D. Research objectives are not disclosed to peers in an institution
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. To select study subjects from a list of households, it is preferable to apply,
- A. Stratified sampling
 - B. Cluster sampling
 - C. Quota sampling
 - D. Systematic sampling
10. In qualitative studies,
- A. Smallest number of participants should be 15
 - B. There should be 4-5 participants for an FGD session
 - C. All Key informants must be homogenous in education levels
 - D. Data is analyzed using Statistical Package for Social Sciences (SPSS)
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. The level of precision in sample size calculation refers to,
- A. The actual sample size needed in a study
 - B. Range I which the true value of the population is estimated to be
 - C. The true population value according to previous research
 - D. The confidence level for a given study
13. Cochran equation is used to calculate sample size where,
- A. The study population is large
 - B. Census sampling method is being applied
 - C. The study population is less than 10,000
 - D. The population being sampled is of different stratus
14. When testing tools for data collection,
- A. The actual data collection site should be used
 - B. A contiguous site to the actual site for data collection can be used
 - C. It should involve part of the study subjects meant for the actual study
 - D. It should involve at least an equivalent of 20% of the targeted sample size
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. Inductive reasoning in nursing research
- A. Applies evidence from one patient to all related patients
 - B. Draws inference from several patients experience to one patient
 - C. Avoids keeping memory of previous research experiences
 - D. Keeps best practices and discards populist evidence

17. In Harvard system of referencing during literature review,
- A. Names of authors are documented after the year of publication
 - B. Author (s) names are followed by the year of publication
 - C. References are numbered consecutively as they occur in the text
 - D. References are listed depending on country of origin of the author
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 problems
19. Nominal data in research, measurements are,
- A. Categorized by name only
 - B. Categorized by rank and name
 - C. Grouped according to particular intervals
 - D. Organized according to certain ratios
20. The following is not a component of descriptive statistics
- A. Mean
 - B. Median
 - C. Standard deviation
 - D. P-Value

SECTION B: SHORT ANSWER QUESTIONS

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. State 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. State six (6) barriers to carrying out nursing research (6 marks)

6. State any five (5) ethical considerations a researcher should observe (5 marks)

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

1. Describe any five sampling methods and for each state the associated merits and demerits (20 marks)
2. As a county public health nurse, you are required to design a research that will establish why there is low utilization of long acting contraceptives in your area of jurisdiction. Describe the process you will follow until the findings are disseminated to the stakeholders. (20 Marks)

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