

**Model Answers of Methods of Research
4th Year
Final Exam- 1st semester
January 2018**

Date: 31/12/2017

Total Marks: 30

Time: 2 hours

Code: Nur 403

I. Choose the correct answer

(15 marks)

- 1. All of the following are characteristics of scientific research EXCEPT:**
 - A. Research is replicable.
 - B. Research uses systematic method of problem-solving.
 - C. Research is always based on empirical and observational evidence.
 - D. Research involves vague observation and not accurate description.**
- 2. All of the following are correct guidelines for developing data collection instruments EXCEPT:**
 - A. The instrument should be free of bias.
 - B. The instrument should be valid and not reliable.**
 - C. The ability to gather data that are appropriate in order to test the hypothesis or to answer the question under investigation.
 - D. The instrument must be based on the theoretical framework selected for the study.
- 3. The initial and one of the most significant steps in conducting the research process**
 - A. Defining the research variables.
 - B. identifying the research problem.**
 - C. Stating the research purpose.
 - D. Determining the feasibility of the study.
- 4. The problem statement should identify the study variable(s) and what other key aspect of the study?**
 - A. Design
 - B. Measurement tools
 - C. Population**
 - D. Statistics
- 5. The plan in the problem-solving process is equivalent to which step in the research process?**
 - A. Outcomes
 - B. Design**
 - C. Implementation
 - D. Goal identification
- 6. In a research proposal, the investigator notes that written permission has been obtained from three local hospitals to access patients for the proposed study. This is an example of what aspect of a study?**
 - A. Reliability
 - B. Methodology
 - C. Ethics
 - D. Feasibility**

7. **Problem identification in the research process would be equivalent to which step in the nursing process?**
- A. Goal identification
 - B. Data interpretation
 - C. Identifying solutions
 - D. Nursing diagnosis**
8. **Which of the following is an example of a primary source in a research study?**
- A. A published commentary on the findings of another study.
 - B. A doctoral dissertation that critiques all research in the area of attention deficit Disorder.
 - C. A textbook of medical-surgical nursing.
 - D. A journal article about a study that used large, previously unpublished databases generated by the United States census.**
9. **Which criteria are used to determine testability of a hypothesis?**
- A. A hypothesis stated in such a way that it can be clearly supported or not Supported.**
 - B. The use of value-laden words in a hypothesis.
 - C. Data-collection efforts that prove the validity of the hypothesis.
 - D. The nature of population being tested.
10. **The nurse develops the following hypothesis: (Elderly women receive less aggressive treatment for breast cancer than do younger women). Which variable would be considered to be the dependent variable?**
- A. Degree of treatment received**
 - B. Age of the patient.
 - C. Type of cancer being treated.
 - D. Use of inpatient treatment.
11. **The nurse develops the following hypothesis: Elderly women receive less aggressive treatment for breast cancer than do younger women. Which variable would be considered to be the independent variable?**
- A. Degree of treatment received
 - B. Age of the patient**
 - C. Type of cancer being treated
 - D. Use of inpatient treatment
12. **Which of the following types of research involve at least some control by the researcher to implement the study treatment?**
- A. Correlation
 - B. Descriptive
 - C. Quasi-experimental**
 - D. Experimental
13. **In which type of research is there high researcher control, random sampling, and laboratory setting?**
- A. Descriptive
 - B. Correlation
 - C. Quasi-experimental
 - D. Experimental**

14. What type of hypothesis is the following? "Normal saline flush with heparin is more effective than normal saline flush alone in maintaining patency of an intermittent intravenous site."
- A. Simple, research
 - B. Complex, non directional
 - C. Complex, causal
 - D. Simple, directional
15. What type of hypothesis is the following?"Cancer patients who receive music therapy complain less frequently of pain and require less pain medication than cancer patients not receiving music therapy."
- A. Complex, directional hypothesis
 - B. Simple, associative hypothesis
 - C. Simple, non directional hypothesis
 - D. Complex, null hypothesis

II – Read carefully each of the following statements and put letter (T) if the statement is correct and letter (F) if it false: (5 marks)

N	Statement	T/F
1.	The aim is the same statement of the study topic	T
2.	descriptive study requires research hypothesis	F
3.	Random sample is the best and strength type of sample	T
4.	The biased of selecting sample is available in non-probability sample	T
5.	Purposive sample is characterized by criteria of inclusion	T
6.	Convenient sample means that this sample is the available	T
7.	The protocol should be written in the past tense but the thesis should be written in the future	F
8.	The abstract include details about the content of the study	F
9.	Conclusion of the study answer the research question or support the research hypothesis	T
10.	Recommendation based on the result of the study	T

III. Identify which of the following research could be quantitative research and which is qualitative research: (5 marks)

1. Undertook an in-depth study to describe the experience of waiting in a critical care waiting room.

The answer **Qualitative Research**

2. Assessment of Knowledge and Practice of Staff Nurses Regarding Ryle's Tube Feeding in a Selected Hospital of Kolkata, West Bengal.

The answer **Quantitative Research**.....

3. Effect of nursing care protocol in prevention and management of hydrocephalic patient developing infection.

The answer **Quantitative Research**

4. Oxygen and Ventilator Treatment: Perspectives on Interprofessional Collaboration in a Neonatal Intensive Care Unit.

The answer **Qualitative Research**

5. Evaluation of Nurses' Knowledge Concerning Medication Administration through Nasogastric and Enteral Tubes.

The answer **Quantitative Research** ...

IV- "Assessment of Nurses' Knowledge regarding partogram"

According this topic, Explore the following: (5 marks)

1. Aim of this study?

Answer: Aim of this study is to assess nurses' knowledge regarding partogram

2. Determine this study requires research question or hypothesis?

Answer: this study requires research question

3. Type of design?

Answer: Descriptive study design

4. Setting of the study?

Answer: Labor unit

5. Sampling of the study?

Answer: Type: convenient sample – Technique: All nurses working in labor unit

Good Luck

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