



The Open University of Sri Lanka

Department of Nursing and Medical Laboratory Sciences

B.Sc. (Hons) in Nursing and BMLS (Hons) - Level 5

NGU5303 - Research Methods in Nursing / MDU5308 Research Methodology

No Book Test II - 2018/2019

Student Reg. No :

Date : 20th December 2018

Duration : 01 hour

Time : 11.00 am - 12.00 noon

Please read the following instructions carefully before you answer the question paper.

Answer all questions

Part A - Multiple Choice Questions (10 marks)

There are **10 Multiple Choice Questions** in this paper and each question or statement below contains four responses. Select the best response to each question and indicate the answer by **circling** the correct letter.

Part B - Matching Questions - (10 marks)

Part C - Short Answer Questions. Write answers to all within the given space (50 marks)

Part D - Structured Essay Question. Write answers within the given space (30 marks)

Markers Use Only

Markers Use Only	
Part A	
Part B	
Part C	
Part D	
Total Marks	

Part A - Multiple Choice Questions (10 marks)

1. Literature review mostly helps the researcher to
 - a) read and summarized the information
 - b) quote the important facts relevant to the study
 - c) find out what has already been done on the topic.
 - d) identify the previous studies related to the study

2. The research that use to find the solution for practical problem is known as:
 - a) Basic research
 - b) Applied research
 - c) Explanatory research
 - d) Descriptive research

3. Which of the following is **true** about features of quasi-experimental research design?
 - a) Manipulation, control group, randomization are present
 - b) Manipulation, but no control group or randomization
 - c) No manipulation of independent variable
 - d) Use of correlational approach

4. One of the purposes of the science is to build theory and the research is, _____
 - a) the tool of science
 - b) the process of science.
 - c) a design use in science.
 - d) a method that develop the science

5. Quantitative research that tests theory by examining relationships among variables is known as:
 - a) Nursing research
 - b) Correlational research
 - c) Non-experimental research
 - d) Qualitative research

6. What is the most important characteristic of a sample?
 - a) Randomization
 - b) Appropriate number
 - c) Representativeness
 - d) Location

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7. What is the study design that is not required a hypothesis?
- a) Correlational study
 - b) Quasi- experimental study
 - c) Experimental study
 - d) Descriptive study
8. What is the dependent variable of following research?
"Does the type of health care provider have impact on hypertension care in adult women?"
- a) Type of health care provider
 - b) Hypertension care
 - c) Adult women
 - d) 24-hour systolic and diastolic blood pressure readings
9. What is the purpose of grounded theory?
- a) To support theoretical frameworks
 - b) To generate theory from data
 - c) To develop explanatory models
 - d) To find significant differences among groups of people
10. 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 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

Part B – Matching Questions (10 marks)

Match each word or phrase given in the left column with one of the most suitable descriptions given in the right column. Indicate the letter corresponding to your response in the give space. (Within brackets)

- | | | |
|-------------------------------|-----|---|
| 1. Inductive reasoning | () | (a) Relationship between two variables |
| 2. Retrospective studies | () | (b) An entire set of elements |
| 3. Extraneous variables | () | (c) Influence to the outcome |
| 4. Population | () | (d) Already occurred |
| 5. Simple hypothesis | () | (e) Specific observations to more general rules |
| 6. Empiricism | () | (f) Evidence is gathered through human senses |
| 7. Descriptive study | () | (g) See what it all means |
| 8. Stratified Random Sampling | () | (h) Develop theories |
| 9. Pure research | () | (i) layers are used to categorize the subjects |
| 10. Interpretive phase | () | (j) No hypothesis |

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Part C - Short Answer Questions. Write answers to all within the given space (50 marks)

1.) 1.1 There are **two (02)** main categories of research that refer both to the method of data collection and to the type of data collected. What are they? **(02 marks)**

- i
- ii

1.2 What are the **four (04)** main characteristics of quantitative research **(04 marks)**

- i ii
- iii iv

1.3 What are the **two (02)** main experimental designs of quantitative research **(04 marks)**

- i ii

1.4 What are the **three (03)** main research designs of qualitative research? **(06 marks)**

- i ii
- iii iv

1.5 List **three (03)** research designs that can be used in quantitative non-experiment research studies. **(03 marks)**

- i ii
- iii

1.6 What are the important characteristics of true experimental research design? **(06 marks)**

- i ii
- iii

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2.) **2.1** There are different type of hypotheses depending upon the relationships and number of variables identified in the research problem. List **four (04)** of them. **(04 marks)**

i ii.....

iiiiv.....

2.2 Name **three (03)** components that need to include when the hypothesis worded in-clear, simple, and concise terms to understand. **(03 marks)**

i ii.....

iii

2.3 Name **two (02)** evaluation criteria for hypothesis? **(04 marks)**

iii.....

2.4 Name **two (02)** main research designs that the hypothesis should present. **(04 marks)**

iii.....

2.5 What are the important areas that need to be noted down during the Literature Review? **(05 marks)**

i ii.....

iiiiv.....

v

2.6 A literature review should include several major types of literature from different disciplinary sources. What are they? **(05 marks)**

i ii.....

iiiiv.....

v

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Part D - Structured Essay Question. Write answer within the given space (30 marks).

1. "Meditation will report less perceived stress and will have lower blood pressure readings". This is a problem statement of a well-known research study.

1.1 Identify the three (03) variables of this statement and write down the types of them.

Variable	The types of variable
i	
ii	
iii.	

(06 marks)

1.2 Under which types can this hypothesis be categorized? (04 marks)

i.....

ii.....

1.3 "There will be a relationship between self-concept and suicide." This is a hypothesis of a well-known research study. Identify the two (02) variables of this statement and write down the types of them.

Variable	The types of variable
i	
ii	

(04 marks)

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1.4 Under which types can this hypothesis be categorized? (04 marks)

i.....

ii

1.5 If you want to conduct a research study based on above statement in 1.3, what would be your most suitable research design, purpose and the research question?

Research Design

Purpose

Research Question

(12 marks)