



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 01 - 2018/2019

Student Reg. No : .....

Date : 13<sup>th</sup> November 2018

Duration : 01 hour

Time : 10.00 am - 11.00 am

*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 **(60 marks)**

**Part D - Structured Essay Question.** Write answers within the given space **(20 marks)**

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**Part A - Multiple Choice Questions (10 marks)**

1. The ultimate goal of a research process is to
  - a). develop, refine, and expand a base of knowledge.
  - b). develop theories
  - c). critically evaluate research findings
  - d). learn from trial and error
2. The statement of purpose in a research study should
  - a). identify the design of the study
  - b). identify the intent or objective of the study
  - c). specify the type of people to be used in the study
  - d). describe the study
3. Professional research focus to develop body of scientific knowledge that unique to the profession through,
  - a). expanding earlier research.
  - b). more concern about clinical practice.
  - c). priorities based on health promotion, disease prevention, & primary health care.
  - d). all of the above.

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4. The dependent variable in the study "Is job performance of health care workers affected by salary or perceived job autonomy?" is,
  - a). job performance
  - b). salary
  - c). perceived job autonomy
  - d). both salary and perceived job autonomy
5. Current trend of professional health research is more focus on the professional,
  - a). education
  - b). practice
  - c). administration.
  - d). history
6. Why do professionals need to do research?
  - a). Increase body of knowledge
  - b). Find the answers for questions.
  - c). To solve the problems
  - d). Improve the practice
7. A characteristic of scientific inquiry is,
  - a) ignore or redefine problem
  - b) solve the problem
  - c) use traditional methodology
  - d) objectivity
8. What is the independent 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
  - c). Adult women
  - d). 24-hour systolic and diastolic blood pressure readings
9. If the purpose of the research is written as a statement, is called as;
  - a). Interrogative
  - b). Declarative
  - c). Prospective
  - d). Retrospective
10. If you want to conduct a research study, what do you initially need to consider?
  - a). Review the available literature.
  - b). Identify research question.
  - c). Identify funding opportunities.
  - d). Concern about the potential ethical issues.

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**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. Human inquiry      | ( ) (a) Discussion and conclusions                      |
| 2. Conceptual phase   | ( ) (b) Pregnant women.                                 |
| 3. Interpretive phase | ( ) (c) Protection from harm, coercion etc.             |
| 4. Exploration        | ( ) (d) Experience and interest                         |
| 5. Operationalism     | ( ) (e) Ignore or redefine the problem                  |
| 6. Empiricism         | ( ) (f) Evidence is gathered through human senses       |
| 7. Vulnerable subject | ( ) (g) The definition of term used in research process |
| 8. Nobility           | ( ) (h) Characteristic of Scientific inquiry            |
| 9. Research problem   | ( ) (I) Ordinal Measurement Scales                      |
| 10. Order             | ( ) (j) Purpose of scientific research                  |

**Part C - Short Answer Questions. Write answers to all within the given space (60 marks)**

1.) 1.1 There are **two (02)** main approaches to solve the problems. What are they? **(04 marks)**

i .....

ii .....

1.2 Different approaches are used to solve the problem by different people in day today life.  
List **four (04)** of those approaches. **(04 marks)**

i .....ii.....

iii .....iv.....

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**1.3 What are the characteristics of the scientific problem-solving method? (05 marks)**

- i ..... ii.....
- iii .....iv.....
- v .....

**1.4 What are the purposes of scientific research? (04 marks)**

- i .....ii.....
- iii .....iv.....

**1.5 There are three (03) interconnecting phases in research process. What are they? (03 marks)**

- i .....
- ii .....
- iii .....

**2.) 2.1 According to Belmont Report, there are three (03) primary ethical principles to maintain ethical standards in a research study. What are they? (06 marks)**

- i .....
- ii .....
- iii .....

**2.2 When consider vulnerable subjects who are not capable of giving informed consent?**

**(03 marks)**

- i .....
- ii .....
- iii .....

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**2.3 What are the important characteristics of ethical research? (06 marks)**

- i ..... ii.....
- iii .....iv.....
- v .....vi.....

**2.4 What are the mechanisms to ensure the ethical standards in a research study? (03 marks)**

- i .....
- ii .....
- iii .....

**2.5 In Belmont Report, there are two (02) important documents. What are they? (02 marks)**

- i .....
- ii .....

**3.) 3.1 What are the major areas that can be focused when conducting research studies? List four (04) of them. (04 marks)**

- i ..... ii.....
- iii .....iv.....

**3.2 Feasibility involves several factors which the researcher needs to consider prior to the commencement of the research study. What are they? (04 marks)**

- i .....ii.....
- iii .....iv.....

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**3.3** What are the **four (04)** major steps that included in the conceptual phase of the research process? **(04 marks)**

i .....ii.....

iii .....iv.....

**3.4** List the **four (04)** types of research variables. **(04 marks)**

i .....ii.....

iii .....iv.....

**3.5** Depending on the research approach, the dependent variable may be called using four different names. What are they? **(04 marks)**

i .....ii.....

iii .....iv.....

**Part D - Structured Essay Question. Write answer within the given space (20 marks).**

1. **1.1** "Explore the relationship between lung cancer and smoking." This is a title 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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**1.2** “The effect of nursing on the incidence of postoperative vomiting.” This is a title 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)

**2.** According to your interest area of the research, develop your own research question related on following topics.

**Research problem -**

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**Problem statement -**

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**Statement of purpose –**

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**Research questions –**

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(12 marks)