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THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF NURSING
ACADEMIC YEAR 2019/2020- SEMSETER 1

BACHELOR OF SCIENCE HONOURS IN NURSING
NGU5303 RESEARCH METHODS IN NURSING - LEVEL 5
FINAL EXAMINATION

DATE: 07. 09. 2020

TIME: 1.30 PM - 4.30 PM

INDEX NUMBER:

Part B – Matching Questions – (10 Marks)

Match each 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 given space.
(Within brackets)

	Left Column	Answer		Right Column
1	Describe experiences, situations from the perspective of the person/people	(.....)	A	Cross-sectional designs
2	A problem solving approach	(.....)	B	Virginia Henderson
3	The first nurse researcher	(.....)	C	Interrogative
4	The first internationally accepted code which set up formal ethical standards governing human research subjects	(.....)	D	Primary source
5	Any information a subject reveals will not be made public or available to anyone.	(.....)	E	Qualitative research
6	Writing the problem statement in a question form	(.....)	F	Sample
7	The description of an investigation written by the person who conducted it.	(.....)	G	Sensitivity
8	Examine groups of research subjects at the same time in various stages	(.....)	H	Trial and error and experience
9	Consists of a subset of the elements that make up the population	(.....)	I	Florence Nightingale
10	Ability of the instrument to make fine discriminations in measurements of objects at different times.	(.....)	J	The Nuremberg Code
			K	Confidentiality

Part C - Four (04) Short Answer Questions. Answer all.**(40 Marks)****Question 01**

A group of undergraduate nurses are planning to conduct a research study titled “to determine the factors affecting recurrent admissions among patients with diabetic ulcers. They are supposed to collect data using a questionnaire and conduct the research study according to ethical guidelines.

1.1 Complete the following table by considering (a) **TWO (02)** potential risks to the participants by participating in the study and (b) **TWO (02)** potential actions that can be taken to minimize the potential risks. (4 Marks)

Potential Risks (each 01 Mark)	Potential action to minimize the risk (each 01 Mark)

1.2 You are required to obtain written consent from the research participants. What information should you include in the informed consent? Briefly explain. (4 Marks)

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

(Total Marks = 08)

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Question 02

A researcher is planning to carry out an experimental research titled "*Use of medication 'A' on control of blood glucose among diabetes patients*". Since, blood glucose control is not merely depend on the medication 'A', the researcher is required to take measures to improve internal and external validity of the research.

2.1 State **THREE (03)** ways to enhance internal validity of the above research? (3 Marks)

- i.
- ii.
- iii.

2.2 Define external validity.

(1 Mark)

.....

2.3 Identify **THREE (03)** most common threats can be affected to external validity of this research? (3 Marks)

- i.
- ii.
- iii.

2.4 State **THREE (03)** common settings for conducting research? (1½ Marks)

- i.
- ii.
- iii.

2.5 Name the best setting for the above research and explain the reason for your selection. (1½ Marks)

Best Setting:

.....

(Total Marks = 10)

Question 03

Mrs. A is a graduate nurse attached to the Orthopedic Theatre at the National Hospital of Sri Lanka (NHSL), Colombo. She observed that most of the nurses working in the Theatre are suffering from low back pain. According to her literature search, low back pain is one of the most common occupational health problems among nurses. Therefore, she is planning to carry out a research study to find out factors affecting low back pain among theatre nurses. Names of all the nurses working in the 15 Theatres of the NHSL are available for her.

Section A.

3.1 State the aim/purpose of the study. (1 Mark)

.....

3.2 What would be the best research approach for the proposed study? (1 Mark)

.....

3.3 What would be the best research design for the proposed study? (½ Marks)

.....

3.4 What would be the best sampling technique to recruit the sample? (1 Mark)

.....

3.4.1 Explain your answer for the above. (1 Mark)

.....

3.5 What would be the best instrument for collecting data for the proposed study? Provide justification for your answer. (2 Marks)

.....

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Section B

3.6 The researcher of the proposed study has observed that nurses who are working more than 200 hours per month in the theatre are complaining of severe low back pain than the other nurses.

3.6.1 Develop an appropriate research hypothesis. (2 Marks)

.....
.....

3.6.2 Develop an appropriate null hypothesis.

.....
.....

(1 Mark)

3.7 Identify the appropriate statistical tests that can be used to analyze demographic characteristics of the participants and illustrate its subdivision of further analysis of data.

(2 ½ Marks)

(Total Marks = 12)

Q04. Read the following research abstract carefully and answer the questions given below.

Abstract

Medication error reporting (MER) is an effective way used to identify the causes of Medication Errors (MEs) and to prevent repeating them in future. The underreporting of MEs is a challenge generally in all MER systems. The current research aimed to explore nurses' knowledge on MER by determining their attitudes towards reporting and studying the implicated barriers and facilitators. A total of 23 nurses were interviewed using a semi-structured interview guide. The saturation point was attained after 21 interviews. All the interviews were tape-recorded and transcribed verbatim, and analyzed using inductive thematic analysis. Four major themes and 17 sub-themes were identified. Almost all the interviewees were aware about the existence of the MER system. They showed a positive attitude towards MER. The main barriers for MER were the impacts of time and workload, fear of investigation, impacts on the job, and negative reactions from the person in charge. The nurses were knowledgeable about MER but there was uncertainty towards reporting harmless MEs, thus indicating the need for an educational program to highlight the benefits of near-miss reporting. To improve participation strategies, a blameless reporting culture, reporting anonymously, and a simplified MER process should be considered.

Keywords: medication error reporting, nurses' attitudes, qualitative study, barriers, medication error

4.1 Identify the research approach of this study. (1 Mark)

.....

4.2 How did you decide on the research approach mentioned above? (1 Mark)

.....

4.3 What would be the sampling technique used in this study? (1½ Mark)

.....

4.4 Outline the information provided in the above abstract related to the interpretive phase of the research process. (1 Mark)

.....

4.5 State the ways the researchers would have assessed “rigor” of the above research?

(2 Marks)

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

4.6 Write the following reference according to the APA format, using the details provided.

(3 ½ Marks)

Name of the Journal: Journal of Clinical Nursing
Publication Year: 2018
Volume : 6
Issue: 4
Page numbers: 120-127
Title of the article: Exploration of nurses’ knowledge, attitudes, and perceived barriers towards medication error reporting in a Tertiary Health Care Facility
Authors: Eman Ali Dyab, Ramadan Mohamed Elkalmi, and Shazia Qasim Jamshed

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(Total Marks = 10)

