

UNIVERSITY OF SWAZILAND
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF GENERAL NURSING
MAIN EXAMINATION (MAY 2010)

COURSE CODE	NUR 332
COURSE TITLE	Research Methods
NO OF STUDENTS	36
DURATION	Two (2) hours
TOTAL MARKS	75

INSTRUCTIONS

This examination paper has five pages including the front page.

1. THIS EXAMINATION PAPER IS DIVIDED INTO TWO (2) SECTIONS: A AND B.
2. ANSWER ALL QUESTIONS.
3. READ THE QUESTIONS THOROUGHLY AND THOUGHTFULLY.
4. WRITE ALL YOUR ANSWERS IN THE PROVIDED ANSWER BOOKLET.
5. USE LEGIBLE HANDWRITING.
6. FOLLOW THE INSTRUCTIONS AS GIVEN IN EACH SECTION AND/OR SUB-SECTION THEREOF.
7. FIGURES IN BRACKETS REPRESENT MARKS ALLOCATED PER QUESTION OR A PART THEREOF.

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SECTION A

Sub-section A1

INSTRUCTION

This section consists of incomplete statements whose missing words have been provided below (**in bold**). Please note that NOT all provided words are correct answers. Select the correct word for each statement and write it in your answer book thus: 1 = pilot, 2 = statistics and so forth.

Missing words:

a. **pilot**, b. **ethical**, c. **quantitative**, d. **breadth**, e. **larger**, f. **independent**,
g. **depth**, h. **qualitative**, i. **smaller**, j. **nominal**, k. **privacy**, l. **traditional**,
m. **respect**, n. **abstract**, o. **beneficence**, p. **cause-effect**, q. **phenomenon**,
r. **sample**, s. **descriptive**, t. **specific**

1. A/An _____ is the summary of completed research and usually includes the following: purpose of the study, methods used and findings from the analyzed data.
2. Research that is carried out at level three seeks to explain the _____ of relationships between two or more variables.
3. A _____ study usually precedes data collection for the main study.
4. The _____ of a literature review refers to the number and quality of data sources.
5. The variable age, is an example of _____ data since such data cannot be subjected to any statistical tests but may be separated into mutually exclusive categories.
6. Inductive reasoning is analytic thinking that proceeds from _____ to general.
7. Ensuring that a participant gives his/her informed consent to participating in the study demonstrates the implementation of principle of _____ .

8. In research, the _____ variable is the presumed cause and usually is of interest to the researcher.
9. The size of a sample in quantitatively designed research is generally _____ than that found in qualitative studies..
10. The _____ of interest to the researcher refers to the broad research topic or subject area.
11. A _____ is a sub-set of the population that is selected to represent the population.
12. Percentages, range and mean, are examples of those groups of _____ statistics that may be used to organize and summarize numerical data obtained from populations and samples.
13. Research that investigates a phenomenon from the perspective of the participant utilizes a _____ research design.
14. Knowledge that is passed from one generation to the next is referred to as _____ knowledge.
15. The Nuremberg Code of 1947 marks the beginning of _____ research.

[15 marks]

Sub-section A 2

INSTRUCTION

Read the following and thereafter answer the question.

Informed consent is an essential component of research methods. The following is a specimen of an informed consent document that was extracted from a study that investigated the experiences of caregivers of elderly in home settings in one rural community.

Specimen of documented informed consent**INFORMED CONSENT**

Hello. My name is *Thandiwe Sihlongonyane. I am a nursing student at the Faculty of Health Sciences , University of Kataloo. I am interested in knowing more about persons who look after the elderly at home.

The aim of this study is to explore and describe the perceptions of family-based caregivers of the elderly. The information you shall give me will not be shared with other people and your name will not be revealed either.

If there are questions that you do not feel like answering please do not answer them. Also, you may withdraw from the study anytime you feel you cannot continue.

Thank you.

NB: * denotes fictitious name

Based on the knowledge gained in this course with regards an adequate to informed consent, critique on any five points the documented specimen informed consent above. (10) **[25 marks]**

SECTION B**QUESTION 1**

Having observed that a number of admitted Swazi adults are concerned about being operated on, especially under general anaesthesia, a staff nurse in one of the adult surgical wards at the Mbabane Government Hospital developed a proposal entitled: **THE PERCEPTIONS OF ADMITTED SWAZI ADULT MALE AND FEMALE PATIENTS ABOUT BEING OPERATED ON UNDER GENERAL ANAESTHESIA.** The purpose of the study is to identify the perceptions of admitted Swazi adult male and female patients clients who are going to be operated on using general anaesthesia at the Mbabane Government Hospital. The data are going to be collected through structured interviews.

With reference to the above-written situation answer the following questions.

- 1.1 Define research proposal. (2)
- 1.2 Identify, from either the title or the purpose o the intended research by the staff nurse, the following:
 - 1.2.1 the phenomenon of interest to the researcher in the intended study (1)
 - 1.2.2 the population of the study. (1)
 - 1.2.3 the setting of the study. (1)
 - 1.2.4 the variable of interest (1)
- 1.3 Discuss any three ethical implications of the nurse's study (9).
- 1.4 Describe any five advantages of using structured interviews. (10)

[25 points]

QUESTION 2

2.1 Outline the four phases of the research process. (1,25 x 4 = 6)

2.2 Describe any three reasons for conducting literature review when carrying out research. (6)

2.3 Outline any the four phases of the research process (4)

2.4 Compare qualitative and quantitative research with regards to the following:

2.4.1 Perspective of research

2.4.2 Sampling process

2.4.3 Sample size

2.4.4 Data collection

2.4.5 Data analysis

(1/2 x10 = 5]

[25 marks]

END OF EXAMINATION