



University of Fort Hare
Together in Excellence

EXAM PAPER 1

INTRODUCTION TO RESEARCH METHODS (HUS 215)

PROGRAMME:	Bachelor of Health Science in Human Movement Science
DATE:	June Exam
EXSAMINER:	Mr. L Nkqoli
INTERNAL MODERATOR:	Mrs. X Muller
DURATION:	3 hours
MARKS:	100

Student answers all the questions in Sections A, B and C.

QUESTION 2

Indicate whether the following statements are true or false.

- 2.1 Research is a systematic process of discovery and advancement of knowledge. (1)
- 2.2 Formulating the hypotheses is the second step of scientific method of problem solving. (1)
- 2.3 The problem statement should be a single sentence that describe the problem. (1)
- 2.4 Delimitation are characteristics imposed by a professor. (1)
- 2.5 Final statement of the problem, question, and hypotheses can only be written after the literature is reviewed. (1)
- 2.6 Scientific misconduct is fabrication, falsification, or plagiarism in proposing, performing, reviewing research or in reporting research results. (1)
- 2.7 Technicians do not necessarily become joint authors (1)
- 2.8 Quantitative research formulates hypotheses. (1)
- 2.9 Qualitative research requires large sample size. (1)
- 2.10 Global plagiarism is the most serious plagiarism. (1)

(10)

QUESTION 3

Multiple choice. Choose the correct answer to the following questions.

- 3.1] The reasoning process where deductive arguments are constructed to show that conclusions follow from a set of hypotheses. Formatted: Font: 12 pt, Font color: Auto, Pattern: Clear
- a. deductive reasoning
 - b. inductive reasoning
 - c. cognitive reasoning
 - d. research reasoning
- 3.2 Writing a good introduction involves (1)
- a. omit technical jargon
 - b. formulate hypothesis
 - c. become familiar with the relevant literature
 - d. all of the above
- 3.3 The first step to scientific method of problem solving (1)
- a. developing the problem
 - b. formulate hypothesis
 - c. gathering data
 - d. Analyzing and interpreting results
- 3.4 The type of research that establishes cause and effect. (1)
- a. Experimental research
 - b. qualitative research
 - c. quantitative research
 - d. epidemiological research

- 3.5 how do graduate students would identify a research problem (1)
- a. keeping focus broad rather than narrow
 - b. reading a research literature
 - c. reading a review paper
 - d. all of the above

SECTION B

II

QUESTION 4

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- 4.1 Why is it important to read literature? (2)
- 4.2 To write a good introduction you need to omit what? (1)
- 4.3 Define the term Research. (2)
- 4.4 Define five (5) characteristics of Research (10)

(15)

QUESTION 5

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- 5.1 Take us through on how to write a thesis (parts of thesis) in detail with clear examples to support your statement. (5) Explain in your own words why it is important as a researcher to familiarize yourself with the latest research.
- 5.2 As a postgraduate student you need to do a research project as part of your honour's degree. Apply your own knowledge and understanding to outline your guidelines that you will follow on finding the research topic. (5)

QUESTION 6

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- 6.1 Present the criteria in selecting the Research problem and provide more details based on your own understanding thereof. (5)
- 6.2 In your own words, state and explain all the necessary steps you need to take or consider when writing a good research introduction.

SECTION C

QUESTION 7

- 7.1 You are doing a statistical analysis based on body assessment and comparing male and females. With their age in consideration, one needs to consider the variables and constants to identify and organize the statistical data. ()

Using a scenario above create your own table to assist with statistical data analysis on body assessment, comparing males to females. Furthermore, identify variables as constant, and discrete variables in your statistical data analysis. Your data analysis should include 5 males and 5 females (10 overall) (20)

- 7.2 Using your knowledge based on presenting the research problem, develop your own title. Also provide a brief problem statement on the above topic and develop a reasonable time when the article was published. Take into consideration the following elements to guide your answer:

Why did you do the specific type of research?

- Do you think it was useful results?
- Developing a research hypothesis.
- Develop two operational definitions.

- What are your limitations?
(20)

TOTAAL: 100

TOTAL: 100