



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

FIRST YEAR 2ND TRIMESTER EXAMINATIONS

**FOR THE DEGREE
OF
MASTER OF SCIENCE IN NURSING**

COURSE CODE: NCN 8127

COURSE TITLE: RESEARCH METHODOLOGY (MAIN PAPER)

DATE: 28TH APRIL 2022

TIME: 08:00 - 11:00 AM

INSTRUCTIONS TO CANDIDATES

- (i) WRITE YOUR UNIVERSITY REGISTRATION NUMBER ON EVERY PIECE OF PAPER YOU USE.
- (ii) DO NOT WRITE YOUR NAME ON ANY PIECE OF PAPER YOU USE.
- (iii) THIS PAPER CONSISTS OF ONE SECTION WITH 4 QUESTIONS
- (iv) ANSWER ALL THE FOUR QUESTIONS.
- (v) READ CAREFULLY THE ADDITIONAL INSTRUCTIONS PRECEDING EACH SECTION.

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 3 Printed Pages. Please Turn Over.

Answer ALL THE FOUR questions.

1. Differentiate between the following;
 - i) Research methodology and research methods. [5 marks]
 - ii) Stratified sampling and cluster sampling. [5 marks]
- b) What are the main issues that should receive the attention of the research in formulating a research problem? [5 marks]
- c) A population is divided into three strata so that $N_1=5000$, $N_2=2000$ and $N_3=3000$. How should a sample of size $n = 500$ be allocated to the three strata if we want to use probability proportionate to size approach (PPS). [10 marks]
2. What do you understand by the term “research process”? With the aid of a diagram, describe exhaustively what the research process involves. [25 marks]
3. a) Distinguish between primary and secondary data sources as used in research work. [10 marks]
- b) You wish to undertake a research on how the city of Nairobi has changed over the years until present. Outline how you would undertake this research. [5 marks];
- c) Identify the possible data sources by classifying them as either primary or secondary. [5 marks]
- d) How you would collect the data? [5 marks]
4. a) Explain the meaning and need of research design.[10 marks]
- b) What are the factors that one should consider when deciding on a data collection method to adopt for a study? [10 marks]
- c) List the differences between research design in exploratory research studies and descriptive studies.[5 marks]