

40



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

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

THIRD YEAR SPECIAL/SUPPLEMENTARY EXAMINATIONS

**BACHELOR OF SCIENCE IN EPIDEMIOLOGY AND
BIostatISTICS, B.SC. IN ENVIRONMENTAL HEALTH AND
BSC COMMUNITY HEALTH AND DEVELOPMENT**

COURSE CODE: HEM 321; HEH 311, HCD 227

COURSE TITLE: RESEARCH METHODOLOGY

DATE: 19/04/2022

TIME: 8.00-10.00PM

INSTRUCTIONS:

- 1. This paper consist of two sections (Section A and Section B)**
- 2. Answer ALL the questions in section A and any TWO questions in section B**

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 3 Printed Pages. Please Turn Over

SECTION A: Answer all Questions; each is five marks (40 Marks)

Instructions

- The section has a total of ten (10) short answer questions (SAQs), carrying a maximum of forty (40) marks total.
 - Answer all the questions
 - Write your answers on the provided university examination booklet
1. Define the following terms as used in research methodology
 - i. Concept
 - ii. Research
 - iii. Idea
 - iv. Reliability
 2. Distinguish between an observational and experimental research (5 marks)
 3. Determine factors to consider when selecting a research problem (5 marks)
 4. State at least four elements of experimental procedure (5 marks)
 5. Highlight five characteristic of a good research question. (5 marks)
 6. Outline Criteria for selecting a research topic (5 marks)
 7. State the importance of a research design (5 marks)
 8. Describe the five major issues in ethics addressed by many researchers conducted in Kenya (5 marks)

SECTION B (30 MARKS): ANSWER ANY TWO QUESTIONS

Instructions

- The section has Three (3) long answer questions (LAQs), totaling to a maximum of forty (40) marks
 - Answer ANY TWO questions
 - Write your answers on the provided university examination booklet
1. Compare Qualitative Research VS. Quantitative Research (15 marks)
 2. Critically evaluate the methods used in sampling (15 marks)
 3. Discuss the literature review under the following
 - i. Purpose of literature review
 - ii. Issues to consider before writing literature review
 - iii. Ways of writing literature review
 - iv. Types of literature of review.
 - v. structure of literature (15marks)