



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

**UNIVERSITY EXAMINATIONS**

**MAIN EXAM**

**ACADEMIC YEAR: 2021/2022**

**FIRST YEAR FIRST SEMESTER EXAMINATION**

**FOR DOCTOR OF PHILOSOPHY IN PUBLIC HEALTH**

**COURSE CODE: PHE 923**

**COURSE TITLE: ADVANCED EPIDEMIOLOGIC STUDIES**

**DATE: 28<sup>TH</sup> APRIL, 2022**

**TIME: 9.00AM – 12.00PM**

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**INSTRUCTIONS TO CANDIDATES:**

*This paper has 5 Questions. Answer 4 Questions in all. Question 1 is compulsory. Answer ANY three Questions from amongst the questions set. Each Question has 25 Marks.*

*Answer all the Questions in the Examination Booklet provided.*

**TIME: 3 Hours**

MMUST observes ZERO tolerance to examination cheating

Paper Consists of 2 Printed Pages. Please Turn Over



## QUESTION ONE

Read the Published Research Paper Marked X provided. Answer the following questions from the paper.

- i) Comment in the title of the paper with respect to good research paper titles. (2 Marks)
- ii) Where was the study setting and which justification has been given for the choice of the study site?(2 Marks)
- iii) Has the researcher pointed out existing gaps? If “yes”, indicate where this has been placed in this study and underline it.(2 Marks)
- iv) Indicate some of the major justifications for this study and highlight them in the paper(2 Marks)
- v) This paper builds on two major researches previously carried out. Identify and state the two major researches previously carried out on which this paper builds and state what their focuses were.(2 Marks)
- vi) Reading the *Introduction* of this paper, what does the author present as being currently known knowledge and what this study intends to contribute to knowledge
- vii) Which study design was used by the researchers?(2 Marks)
- viii) Name and underline the treatment assignment for the study participants(2 Marks)
- ix) Identify four ethical issues that were responded to in this study and where they are documented in the study.(2 Marks)
- x) Did the authors of this research present limitations of this study? If yes, present the limitations(2 Marks)
- xi) What is the conclusion provided in this study?(2 Marks)
- xii) What recommendation has been provided in this study? (2 Marks)
- xiii) What recommendation does this study provide to health education practitioners? (1 Marks)

## QUESTION TWO

You have been directed to conduct a research on the association of pesticides and breast cancer on women. How would you set up a research study using the following designs: