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**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)
UNIVERSITY EXAMINATIONS
MAIN EXAM**

ACADEMIC YEAR: 2021/2022

**FIRST YEAR FIRST SEMESTER EXAMINATION
FOR MASTERS OF PUBLIC HEALTH**

COURSE CODE: PHE 823

COURSE TITLE: EPIDEMIOLOGIC STUDIES

DATE: 28TH APRIL, 2022

TIME: 9.00AM – 12.00PM

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

Discuss one intervention study that is commonly used in public health (25 Marks)

QUESTION TWO

Clinical Trial have some inherent methodological challenges. Discuss. (25 Marks)

QUESTION THREE

Discuss major biases in case-control study designs (25 Marks)

QUESTION FOUR

Cohort study designs are commonly used study designs in disease etiology. Discuss the design, strength and limitations of cohort design (25 Marks)

QUESTION FIVE

Discuss major issues of causality in public health research (25 Marks)

QUESTION SIX

Objectivity of data is a major concern in randomized clinical trials. Discuss. (25 Marks)