



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

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

MAIN EXAM

2022/2023 ACADEMIC YEAR

YEAR ONE/SEMESTER TWO EXAMINATION

FOR THE MASTER OF PUBLIC HEALTH

COURSE CODE: PHE 823

COURSE TITLE: EPIDEMIOLOGIC METHODS

DATE: 26TH APRIL 2023

TIME: 8.00AM-11.00AM

INSTRUCTIONS TO CANDIDATES:

There are five Questions in this paper. Answer question 1 and any other three questions.

Time 3: Hours

Each question has 25 Marks.

1. Using typology of epidemiologic study designs, place various study designs in proper perspectives
2. Discuss the following:
 - a) Analytical epidemiology(5 Marks)
 - b) Survival Time Bias(5 Marks)
 - c) Descriptive Epidemiology(5 Marks)
 - d) Trend(5 Marks)
 - e) Ecological Fallacy(5 Marks)
3. Discuss the design and application of cross-sectional study design in epidemiologic studies(25 Marks)
4. Discuss the design and use cohort study designs in studies of etiology(25 Marks)
5. Discuss major ethical issues surrounding experimentation with human beings(25 Marks)