



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

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**MAIN EXAM**

**2021/2022 ACADEMIC YEAR**

**YEAR ONE/SEMESTER TWO EXAMINATION**

**FOR THE MASTER OF PUBLIC HEALTH**

**COURSE CODE: PHC 811**

**COURSE TITLE: ADVANCED EPIDEMIOLOGIC METHODS**

**DATE: 16<sup>TH</sup> DECEMBER 2022**

**TIME: 2.00PM-5.00PM**

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**INSTRUCTIONS TO CANDIDATES:**

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

**Each question has 25 Marks.**

1. Briefly discuss elements of deficiencies in reviewed literature
2. Discuss the following:
  - a) Halo Effect Bias(5 Marks)
  - b) Recall Bias(5 Marks)
  - c) Descriptive Epidemiology(5 Marks)
  - d) Ethnography (5 Marks)
  - e) Survey (5 Marks)
3. Discuss the sources of data that are used in epidemiologic studies(25 Marks)
4. Discuss the differences between case-control and cohort study designs(25 Marks)
5. Discuss major ethical issues surrounding experimentation with human beings