



(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

MAIN EXAM

2021/2022 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELORS IN PUBLIC HEALTH

COURSE CODE: HEM 327

COURSE TITLE: ORAL AND CRANIOFACIAL AND NEURO-EPIDEMIOLOGY

DATE:22/04/2022

TIME: 12-2 PM

INSTRUCTIONS:

1. This paper consists 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 2 Printed Pages. Please Turn Over

Section A: Ten (10) questions of 4 marks each: Total 40 Marks

Answer all questions

- 1: Define Neuro-epidemiology and its epidemiological importance (4 marks)
- 2: Outline any four specific designs characteristics in genetic epidemiology (4 marks, 1 each)
- 3: Provide four reasons why aggregation and segregation studies in human genetics are important in genetic epidemiology
4. Outline four measures to address oral and craniofacial diseases
5. Outline the processes involved in defining the genetic process of a disease (4 marks, 1/2 each)
- 6: Define genetic epidemiology and its purpose (4 marks)
- 7: Outline the four main genetic epidemiology complications (4 marks)
- 8: Mention any four samples needed for genetic epidemiology studies.
- 9: Outline any four genetic epidemiologic principles that can be applied to craniofacial diseases (4 marks, 1 mark for any).
- 10: Mention any eight (8) Neurodegenerative Diseases (4 marks, 1/2 each)

Section B: Three (3) questions of 15 marks each: Total 30 Marks

Answer any two (2) questions

- 1: Discuss the Burden of Oral Diseases in Kenya (15 marks)
- 2a what is causal inference? (1 marks)
- 2b. Discuss the aspects of an association be considered in attempting to distinguish causal from no causal associations, according to *Hills Criteria* (14 marks,)
- 3: Discuss the risk factors leading neurological disorders in the oral and craniofacial regions