AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
BACHELOR OF SCIENCE IN COMMUNITY HEALTH PRACTICE

END OF MAY-AUGUST 2024 SEMESTER EXAMINATIONS

UNIT CODE: CHP 214

UNIT NAME: EPIDEMIOLOGY

DATE: MONDAY 5TH AUGUST 2024
TIME: TWO HOURS
START: 4.30 PM   **STOP:** 6.30PM

INSTRUCTIONS
1. This exam is marked out of 70 marks
2. This Examination comprises TWO Sections
   Section A: Compulsory Question (30 Marks)
   Section B: Long Answer Questions (40 Marks)
3. This online exam shall take TWO Hours
4. All questions in Section A are compulsory and Answer any TWO questions in Section B
5. Late submission of the answers will not be accepted
6. Ensure your web-camera is on at all times during the examination period
7. No movement is allowed during the examination
8. Idling of your machine for 5 min or more will lead to lock out from the exam
9. The Virtual Assessment Test (VAS) has inbuilt integrity checks to detect cheating
10. Any aspect of cheating detected during and or after the exam administration will lead to nullification of your exam
11. In case you have any questions call the invigilator for this exam on Tel. --------------------and or the Head of Department on Tel 0723742370
12. For adverse incidences please write an email to: amiu.examinations@amref.ac.ke

SECTION A: COMPULSORY (30 Marks)

1) Outline FOUR characteristics of a case control study   (4 Marks)

2) Highlight any THREE types of Surveillance   (3 Marks)

3) Outline FOUR sources of information epidemiologists use to acquire data (4 marks)

4) Differentiate using an example the difference between Hyperendemic and Holoendemic diseases   (5 Marks)

5) Highlight FOUR approaches that can be used to handle confounding factors in epidemiological designs   (4 Marks)

6) Differentiate between type one error and type two error   (4 Marks)

7) Highlight the difference between necessary and sufficient cause of disease (4 Marks)

8) Pin point two studies the relative risk (RR) and the odds ratio are used.   (2 Marks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS (40 MARKS)

9) You have been invited by the Division of Community Health in Ministry of Health of your Country to give a talk on the four components of an ideal surveillance system. Describe   (20 Marks)

10) A case of food poisoning has been reported to you as the Director health services in your region. One of the hotels is suspected to have served the food. Explain citing examples, the procedure you would use to investigate the outbreak?   (20 Marks)

11) Conclusions of causality is a judgement based on a body of evidence. Discuss (20 Marks)