



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
MASTER OF PUBLIC HEALTH
SPECIAL/SUPPLEMENTARY EXAMINATION MARCH 2024

UNIT CODE: MPH 718

UNIT NAME: Public Health Surveillance

DATE: Wednesday 13th March 2024

TIME: Three Hours Start: 4.00PM Finish: 7.00PM

Instructions

1. This exam is marked out of 100 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (25 marks)
Section B: Long Answer Questions (75 marks)
3. All questions in Section A are compulsory and Answer any THREE questions in Section B
4. This online exam shall take 3 Hours
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 Learning Management System (LMS) 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 on Head of Department on Tel +254 720 573 449 or Ag Head of Department +254 723 742 370
12. For adverse incidences please write an email to: amiu.examinations@amref.ac.ke

SECTION A: COMPULSORY QUESTION

QUESTION ONE

- a) Describe Five key elements of an ideal public health surveillance system (5 Marks)
- b) Differentiate between passive and active disease surveillance systems (5 Marks)
- c) List five support functions of disease surveillance systems (5 Marks)
- d) Describe the diseases surveillance reporting structure in your country (5Marks)
- e) Illustrate five methods used to disseminate surveillance information to relevant authorities (5Marks)

SECTION B: ANSWER ANY THREE (3) QUESTIONS

QUESTION TWO

- a) Illustrate the core functions of Integrated Disease Surveillance and Response (IDSR)
 - a. (10 Marks)
- b) Discuss the process of setting up a public health surveillance system in your country
 - a. (15 Marks)

QUESTION THREE

Discuss with relevant examples the systematic steps followed involved in outbreak investigation (25 Marks)

QUESTION FOUR

Discuss ten key attributes considered while evaluating the public health surveillance and response systems (25 marks)

QUESTION FIVE

- i. Illustrate the data sources for public health surveillance (10 Marks)
- ii. Discuss the challenges for implementation of Integrated Disease surveillance and response (IDSR) in Africa (15 marks)