



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
MASTER OF PUBLIC HEALTH
END OF SEMESTER EXAMINATION APRIL 2024

UNIT CODE: MPH 718

UNIT NAME: PUBLIC HEALTH SURVEILLANCE

DATE: 2nd MAY 2024.

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

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. The question on Section A is 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 Virtual Assessment System (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 on +254721530143 or Head of Department on Tel +254720573449
12. For adverse incidences please write an email to: amiu.examinations@amref.ac.ke

SECTION A: COMPULSORY QUESTION

QUESTION ONE

- a) Describe **five** support functions of disease surveillance systems (**5 Marks**)
- b) Differentiate between passive and active disease surveillance systems (**5 Marks**)
- c) Outline **Five** sources for public health surveillance data (**5 Marks**)
- d) Describe **three** levels of disease prevention (**5Marks**).
- e) Illustrate **five** methods used to disseminate surveillance information to relevant authorities (**5Marks**)

SECTION B: ANSWER ANY THREE (3) QUESTIONS

QUESTION TWO

- i. Illustrate the elements of an effective disease surveillance system (**5 marks**).
- ii. Discuss the process of setting up a public health surveillance system in your country (**20 marks**).

QUESTION THREE

- i. Illustrate the core functions of Integrated Disease surveillance and response (IDSR) (**10 Marks**)
- ii. Discuss the challenges for implementation of Integrated Disease surveillance and response (IDSR) in Africa (**15 marks**).

QUESTION FOUR

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

QUESTION FIVE

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

QUESTION SIX

The key strategy for implementing public health surveillance in the African countries is the Integrated Disease Surveillance and Response (IDSR) strategy, which was launched by WHO Afro in 1998.

- a) Illustrate the reporting requirement in your country **(5 Marks)**.
- b) Discuss the reportable diseases in your country **(10 Marks)**.
- c) Explain the methods used by your country's health departments to disseminate surveillance information to relevant authorities **(10 Marks)**

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