



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
DIPLOMA IN COMMUNITY HEALTH PRACTICE
END OF MAY-AUGUST 2024 SEMESTER EXAMINATIONS**

UNIT CODE: DCHP 217

UNIT NAME: DISEASE SURVEILLANCE

DATE: WEDNESDAY 7TH AUGUST 2024

TIME: TWO HOURS

START: 2.00 PM **STOP:** 4.00 PM

INSTRUCTIONS

1. This exam is marked out of 60 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (20 Marks)
Section B: Long Answer Questions (40 Marks)
3. This exam shall take TWO Hours
4. All questions in Section A are compulsory and Answer any TWO questions in Section B

SECTION A: COMPULSORY (20 MARKS)

1. Define disease surveillance (1 marks)
2. Distinguish between disease epidemic and pandemic (2 marks)
3. Highlight four importance of conducting disease surveillance (4 marks)
4. List four diseases targeted for eradication in Kenya (4 marks)
5. Outline five strategies that can be used to conduct disease surveillance (5 marks)
6. List any four types of data that is collected by surveillance systems (4 marks)

SECTION B: ANSWER TWO QUESTIONS ONLY (40 MARKS)

7. Surveillance systems generate specific data on diseases and geographic areas and help in guiding public health policy and strategies. Discuss five functions of an effective surveillance system. (20 marks)
8. a) Discuss five challenges faced in disease surveillance in Kenya before integrated disease surveillance was introduced. (10 marks)
b) Under the International Health Regulations (IHR) 2005, a public health emergency of international concern (PHEIC) is declared by the World Health Organization if the situation meets 2 of 4 criteria. Discuss the 4 criteria used to make this decision. (10 marks)
9. Discuss five reasons why disease surveillance is important in Public Health and critical to the success of health programs. (20 marks)