



**AMREF INTERNATIONAL UNIVERSITY  
SCHOOL OF PUBLIC HEALTH  
DEPARTMENT OF COMMUNITY HEALTH  
MASTER OF PUBLIC HEALTH  
END-OF-SEMESTER EXAMINATIONS**

**UNIT CODE:** MPH 711  
**UNIT NAME:** PRINCIPLES OF PUBLIC HEALTH  
**DATE:** 21<sup>st</sup> April 2023  
**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
3. This online exam shall take THREE Hours
4. Late submission of the answers will not be accepted
5. Ensure your web-camera is on at all times during the examination period
6. No movement is allowed during the examination
7. Idling of your machine for 5 min or more will lead to lock out from the exam
8. The Learning Management System (LMS) has inbuilt integrity checks to detect cheating
9. Any aspect of cheating detected during and or after the exam administration will lead to nullification of your exam
10. In case you have any questions call the invigilator for this exam on Tel. 0713817436 and or the Head of Department on Tel 0720573449
11. For adverse incidences please write an email to: [amiu.examinations@amref.ac.ke](mailto:amiu.examinations@amref.ac.ke)

**SECTION A: COMPULSORY QUESTION (25 MARKS)**

Q1. Climate change is considered to be the greatest threat to human health currently. Discuss climate change in the context of:

- a) Green House effect (10 marks)
- b) Carbon trading (7 marks)
- c) Measure of climate change through carbon footprints (8 marks)

**SECTION B: ANSWER ANY THREE QUESTIONS IN THIS SECTION (75 MARKS)**

Q2. You have been put in charge of a health surveillance plan to track the recurrence of COVID 19 in your country. Propose a health surveillance implementation plan that you will put in place to achieve successful surveillance. (25 Marks) (The health surveillance plan is universal)

Q3.

a) Explain:

i) Advantages of active vaccination (6 marks)

ii) Limitations of active vaccination (4 marks)

b)

c) b) Elaborate on the application of active vaccination in public health programmes among children in your country. (15 Marks)

Q4. Discuss the general health requirements that should be put in place at the workplace as per Occupational Safety Act requirements. (25 Marks) (Under the Occupational Safety Act, there are specific health requirements at the work place that are specified)

Q5. There has been a cholera outbreak in your province/county, where you are the head of public health services. Discuss the approach to be taken in the successful investigation and control of the epidemic. (25 Marks) (The process of investigation and control of an epidemic is interlinked. The two are executed as a package, where one is always the starting point. Hence they should not be split into two separate questions)

Q6. Elaborate on the likely effects of the relevant aspects of the environment on the health of a child growing up in an urban slum in your country. (25 Marks)