



# Technical University of Mombasa

*Faculty of Applied and Health Sciences*

**DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES**

DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT  
(DCH 13J /DCH 12M)

**APH 2204 : COMMUNICABLE DISEASES**

**SPECIAL /SUPPLEMENTARY: EXAMINATIONS**

**SERIES: OCTOBER 2013**

**TIME: 2 HOURS**

## **INSTRUCTIONS:**

You should have the following for this paper

- *Answer booklet*

This paper consists of **FIVE** questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions

*This paper consists of 3 PRINTED pages*

### Question ONE

- a) Define the term “Re-emerging communicable disease” and give two reasons attributed to re-emergence of some communicable diseases in Kenya **(4marks)**
- b) Briefly describe the cause main transmission method and any TWO intervention strategies for yellow fever in humans **(4marks)**
- c) (i) State two modes of transmission of human papilloma virus amongst humans **(2marks)**  
(ii) Explain how Human papilloma virus infection is linked to the development of cervical cancer in human females. **(2marks)**
- d) State TWO clinical features of Hookworm disease in humans and outline two control measures against this helminthic disease. **(4marks)**
- e) Describe briefly, the main method of rabies transmission and outline THREE diagnostic tests for this disease in humans. **(4marks)**
- f) Name the etiological agent of typhoid fever and state THREE reasons attributed to seasonal outbreaks of this disease in some parts of Kenya. **(4marks)**
- g) (i) Briefly describe any two forms of extrapulmonary tuberculosis in humans **(2marks)**  
(ii) Explain why treatment of tuberculosis is increasingly becoming difficult **(2marks)**
- h) State TWO clinical symptoms of ringworm disease in humans and briefly explain fungal diseases common in children. **(2marks)**

### Question TWO

- a) Name TWO species that cause African human trypanosomiasis and outline four methods of their transmission amongst humans **(6marks)**
- b) Describe clearly the TWO phases of the African Human trypanosomiasis and state THREE prevention strategies for this disease. **(9marks)**

### Question THREE

- a) Give FOUR methods of transmission of Anthrax in humans **(4marks)**
- b) Briefly describe THREE clinical forms of anthrax and outline FIVE challenges faced by health officials in their efforts to control this disease in humans. **(11marks)**

### Question FOUR

- a) Describe in detail, the stages of HIV/AIDs in humans **(12marks)**
- b) Explain THREE reasons attributed to the decline in number of deaths due to HIV/AIDs complications **(3marks)**

### **Question FIVE**

Discuss the epidemiology of influenza under the following sub-headings.

- a) Pathogenic agent and its transmission **(5marks)**
- b) Clinical picture and diagnosis **(5marks)**
- c) Treatment and control **(3marks)**
- d) Prevention measures against frequent seasonal outbreaks **(2marks)**