

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2013

**3RD YEAR 1 ST SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN PUBLIC HEALTH**

(KISII LEARNING CENTRE)

COURSE CODE: HCD 3311

**COURSE TITLE: COMMUNICABLE AND NON-COMMUNICABLE
DISEASES**

DATE:

TIME:

INSTRUCTIONS

1. This examination paper contains COMPULSORY and ELECTIVE questions
2. Answer ALL COMPULSORY questions and ANY TWO ELECTIVE set of questions
3. Write all answers in the examination booklet provided

COMPULSORY QUESTIONS [TOTAL MARKS=40]

Answer ALL questions in this section

1. Name **TWO** features that differentiate non-communicable diseases from communicable diseases (**2 marks**)
2. Give **THREE** reasons that make the knowledge of communicable diseases important to public health officials (**3 marks**)
3. Define **THREE** patterns of communicable diseases in the human population (**3 marks**)
4. Name **THREE** factors that subject uninfected human population to contracting emerging or re-emerging diseases (**3 marks**)
5. Outline **THREE** characteristics of cancer diseases in human population (**3 marks**)
6. Differentiate between Type 1 and Type 2 diabetes (**4 marks**)
7. Identify **THREE** reasons for the current rising incidences of suicide in Kenya (**3 marks**)
8. Distinguish between the route of transmission of a disease and its transmission cycle (**3 marks**)
9. State **THREE** factors that influence the occurrence and distribution of non-communicable diseases in the human population (**3 marks**)
10. Differentiate between emerging and re-emerging diseases (**3 marks**)
11. Identify **THREE** factors that exacerbate non-communicable diseases in Kenya (**3 marks**)
12. What is the importance of emerging and re-emerging diseases to public health (**3 marks**)
13. State **TWO** predisposing and **TWO** risk factors of obesity in the human population (**4 marks**)

ELECTIVE QUESTIONS [TOTAL MARKS =30]

Answer ONLY TWO questions

Question 14

- 14.1. Explain **THREE** challenges that have made it difficult for public health officials to successfully eradicate and prevent recurrent outbreaks of communicable diseases in Kenya (**7 marks**)
- 14.2. Describe **FOUR** measures for prevention of accident related illnesses in Kenya (**8 marks**)

Question 15

- 15.1. State **THREE** ways you can apply to prevent transmission of Ebola and Marburg during sporadic outbreak (**5 marks**)
- 15.2. Identify **FIVE** common characteristics of viral haemorrhagic fever (**5 marks**)
- 15.3. Outline **FOUR** measures for prevention of suicide in Kenya (**5 marks**)

Question 16

Discuss **THREE** principles of communicable disease control and their effectiveness in public health practice (**15 marks**)