



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

CERTIFICATE IN COMMUNITY HEALTH AND HIV MANAGEMENT
(CCH 13J)

AML 1111 : 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) (i) Define the term “communicable diseases are prevalent in children. (2marks)
(ii) State TWO reasons why communicable diseases are prevalent in children. (2marks)
- b) Differentiate between the following pairs of diseases
(i) Acute and chronic diseases (2marks)
(ii) Scabies and Rabies (2marks)
- c) Using relevant examples, briefly explain how the following factors determine the occurrence of communicable diseases
(i) Environment (2marks)
(ii) Host characteristics (2marks)
- d) (i) Define the term an “emerging disease” (1mark)
(ii) State TWO reasons attributed to emergence of new communicable diseases in the world (2marks)
- e) Outline the THREE main transmission cycles of yellow fever infection in humans (3marks)
- f) (i) Name the causative agent of trichomoniasis (1mark)
(ii) Explain how trichomoniasis infection can increase the risk of contracting HIV/AIDS. (2marks)
- g) State TWO clinical features of Ascariasis in humans and briefly explain TWO reasons attributed to prevalence of ascariasis in tropical countries (4marks)
- h) (i) State the main mode of transmission of Ebola Haemorrhagic fever in humans (1mark)
(ii) Outline TWO control measures (2marks)
- i) (i) Outline TWO factors that are attributed to frequent Cholera outbreaks (2marks)
(ii) State ONE intervention measure against cholera (1mark)

Question TWO

- a) Briefly describe the causative agent of measles, its mode of transmission and any three clinical manifestations (5marks)
- b) Outline FIVE reasons attributed to re-emergence of measles in some parts of Kenya and outline FIVE intervention measures (10marks)

Question THREE

- a) Name the etiological agent of brucellosis and outline FOUR modes of its transmission to humans
(5marks)
- b) Explain in detail, why there is a high prevalence of zoonotic diseases amongst the pastoralist communities in Kenya.
(12marks)

Question FOUR

- a) Explain why syphilis is referred to as the great imposter
(2marks)
- b) Describe the cause modes of transmission symptoms, treatment and preventive measures against syphilis infections in humans
(13marks)

Question FIVE

- a) Name four species that cause malaria and describe any four complications associated with malaria in humans
(8marks)
- b) Describe THREE methods used for diagnosis of malaria parasites(plasmodium) and explain four factors that determine the choice of drug for treatment of malaria.
(7marks)