



**TECHNICAL UNIVERSITY OF MOMBASA
FACULTY OF APPLIED AND HEALTH SCIENCES**

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
DEVELOPMENT STUDIES AND BACHELOR OF SCIENCE IN ENVIRONMENTAL
HEALTH SCIENCES (BSEH 16J, BSDS 14M)

**APH 4203: COMMUNICABLE DISEASES
SEMESTER EXAMINATION**

APRIL/MAY 2016

2 HOURS

INSTRUCTIONS TO CANDIDATES

*This paper consists of **FIVE** questions*

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

*This paper consists of two **PRINTED** pages*

QUESTIONS ONE

- a) Explain the three (3) components of disease transmission process. (3 marks)
- b) Communicable diseases are diseases that are as a result of causative organisms/agent spreading from one person to another or from animals to people; outline any five (5) major types of communicable disease causing agents. (5 marks)
- c) Outline four (4) modes of transmission of communicable diseases. (4 marks)
- d) Describe the two (2) categories of an epidemic/ outbreak. (4marks)
- e) Describe who a susceptible host is.(2 marks)
- f) Outline the factors that lead to susceptibility of a host. (2 marks)
- g) Describe various preventive measures to be put in place to curb the spread of the followingcommunicable diseases:-
 - i) Malaria (5 marks)
 - ii) Syphilis(5 marks)

QUESTION TWO

Discuss Filariasis under the following subtopics:-

- i. The causative organism,(1mark)
- ii. Mode of transmission(2 marks)
- iii. Lifecycle (7 marks)
- iv. Prevention and control measures. (10 marks)

QUESTION THREE

Mwajuma and Hamisi have been friends for a long time, they eventually decided to get married; they became sexually intimate , two weeks down the line ,Mwanajuma started experiencing itching around her pubic hair area, on close scrutiny, she also noticed some tiny greyish specks in the same area:-

- a)
 - i. State the STI/STD she is suffering from(1 mark),
 - ii. The mode of transmission(1 mark)

iii. Discuss the prevention and control measures that should be taken.(8 marks)

b) Discuss the prevention and control measures of Amoebiasis. (10 marks)

QUESTION FOUR

a) Describe what surveillance is (2 marks) and Outline four (4) sources of surveillance data. (4 marks)

b) Discuss the different levels of communicable disease prevention. (14 marks)

QUESTION FIVE

Tuberculosis (TB) is a communicable disease that is prevalent in Africa and one of the commonest causes of illness and death;Discuss TB under the following sub topics:-

- i. Causative organism(1 mark)
- ii. Mode of transmission(2 marks)
- iii. Symptoms(7 marks)
- iv. Prevention and control measures. (8 marks)

