



# 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

ENVIRONMENT HEALTH & BACHELOR OF SCIENCE IN DEVELOPMENT

STUDIES (BSEH16J & BSDS )

**APH 4203 : COMMUNICABLE DISEASES**

SEMESTER EXAMINATION

May 2016

2 HOURS

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### 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*

#### QUESTION ONE

- a) Define the following terms in relation to communicable diseases
  - i. Agent (2 marks)
  - ii. Host (2 marks)
  - iii. Environment (2 marks)
- (b) Differentiate between the route of transmission and the transmission cycle (4 marks)
- (c) Explain why Communicable disease are of clinical and public health importance (4 marks)
- (d) State FOUR factors that increase the transmission of contact diseases (4 marks)
- (e) Name FOUR STDs that present with genital discharge (4 marks)
- (f) List THREE risk factors for becoming infected with Tuberculosis (TB) (3 marks)
- (g) State FOUR precautions that you would take to manage suspected cases when a Severe Acute Respiratory Syndrome (SARS) alert is raised by your District Medical Officer of Health in your community? (4 marks)

## QUESTION TWO

- a) Describe mode of transmission, danger signs in children and complications of malaria **(10 marks)**
- b) Discuss **FIVE** possible measures in malaria prevention and control **(10 marks)**.

## QUESTION THREE

- a) Highlight three different types of worm infestation and their transmission routes **(9 marks)**
- b) Explain measures for prevention and control **11 marks)**

## QUESTION FOUR

Discuss cholera under the following sub-topics:-

- (a) Mode of spread **(3 marks)**
- (b) Signs and symptoms **( 5 marks)**
- (c) Prevention and control **(12 marks)**

## QUESTION FIVE

HIV is a threat to all people living in Mombasa County. Explain how social and cultural issues contribute to HIV Transmission **(20 marks)**