



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Applied and Health Sciences

Department of Environment & Health Sciences

UNIVERSITY EXAMINATION FOR:

**BACHELOR OF SCIENCE IN COMMUNITY HEALTH AND BACHELOR
OF SCIENCE IN ENVIRONMENTAL HEALTH**

BSCH & BSEH 16S/YEAR 2/SEMESTER 1

**APH 4203: COMMUNICABLE DISEASES
SPECIAL/ SUPPLEMENTARY EXAMINATIONS**

SERIES: SEPTEMBER 2018

TIME: 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.

Mobile phones are NOT allowed in the examination room

QUESTION ONE

- (a) Explain factors favouring the spread of malaria in refuge settings. **[4 marks]**
- (b) Briefly explain three medical measures which may be used to prevent outbreaks of communicable diseases where health services have been disrupted **[3 marks]**
- (c) Distinguish between the following stages of whooping cough caused by *Bordetella Pertusis*
- i. Catarrhal stage
 - ii. Paroxysmal stage **[4 marks]**
- (d) State any Four challenges and constraints facing the public health surveillance in Kenya **[4 marks]**
- (e) Explain the clinical features of chicken pox (Varicella) **[4 marks]**
- (f) Explain four factors which promote the spread of helminths in the community

[4 marks]

(g) State the six important factors that involve the chain of communicable diseases transmission. [3 marks]

(h) Explain measures which can be taken in the community to prevent the spread of polio among children [4 marks]

QUESTION TWO

(a) Describe the mode of transmission of yellow fever, its preventive and control measures [15 marks]

(b) Briefly describe the clinical features of *Neisseria gonorrhoea* the agent causing gonorrhoea in males [5 marks]

QUESTION THREE

(a) Describe the life cycle of *plasmodium falciparum*, its predisposing factors and preventive and control methods in the community [20 marks]

QUESTION FOUR

(a) Discuss the life cycle, pathogenicity, control and treatment of *leishmania donovani* [20 marks]

QUESTION FIVE

(a) Briefly describe types of dengue fever which can be found in the community [15 marks]

(b) Explain the clinical features of primary syphilis [5 marks]