



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF PURE AND APPLIED SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN COMMUNITY HEALTH
BSCH

APH 4203 : COMMUNICABLE DISEASES

SUPPLEMENTARY/SPECIAL : EXAMINATION

MARCH 2014 SERIES

2 HOURS

Instructions to candidates:

This paper consists of **FIVE** questions

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

QUESTION ONE

- a) Explain factors the ravaging spread of malaria in refuge setting (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 pertussis
 - (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 helminthes in the community **(4 marks)**
- g) Briefly explain the mode of transmission of trachoma **(4 marks)**
- h) Explain measures which can be taken in the community to prevent the spread of polio among children. **(3 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

Describe the life cycle of Plasmodium falciparum, its preventive and control methods in the community. **(20 marks)**

QUESTION FOUR

Discuss the life cycle, pathogenicity and zoonosis of Leishmania donovani **(20 marks)**

QUESTION FIVE

- a) Describe a systematic approach followed when responding to a disease outbreak in a community. **(16 marks)**
- b) Explain how to interrupt the transmission cycle in communicable disease control **(4 marks)**