



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

SECOND YEAR SPECIAL/SUPPLEMENTARY FOR

BACHELOR OF SCIENCE IN PUBLIC HEALTH

PPH 208: COMMUNICABLE DISEASES

DATE: 26/7/2019

TIME: 8.30-10.30 AM

Instructions:

SECTION A

Specific Instructions

- This section has one question
- This question is **COMPULSORY**
- The question is **30 Marks**

QUESTION ONE (30 MARKS)

- a) Highlight **two(2)** modes of transmitting cholera (2 Marks)
- b) Differentiate passive and active immunization (4 Marks)
- c) Identify **three(3)** diagnostic signs of meningitis (3 Marks)
- d) Explain **two (2)** treatment methods used for helminthes (2 Marks)
- e) Outline **four (4)** communicable diseases that can be prevented by access to proper sanitation and hygiene (4 Marks)
- f) Categorize hepatitis based on their modes of transmission (4 Marks)
- g) It's incorrect that *all* dead bodies inherently cause diseases. Explain (4 Marks)
- h) Briefly describe the epidemiology of HIV/AIDS (4 Marks)
- i) Explain the physical examination for amoebic dysentery (3 Marks)

SECTION B:

Specific Instructions

- This section has four (4) question
- Answer any two (2) questions
- Each question is 20 Marks

QUESTION TWO (20 MARKS)

Describe the lifecycle of

- a) *Ascaris lumbricoideides*(a helminthes causing infection) (10Marks)
- b) *Schistomes* (parasites causing infection) (10 Marks)

QUESTION THREE (20 MARKS)

- a) Fill in the missing gap (10 Marks)

<u>Communicable disease</u>	<u>causing organism/ micro-organism</u>
i) Cholera	-----
ii) amoebic dysentery	-----
iii) HIV/AIDS	-----
iv) -----	<i>helminths</i>
v) Malaria	-----
vi) Tuberculosis	-----
vii) -----	<i>salmonella enteric</i>
viii) -----	<i>schestomes</i>
ix) Meningitis	-----
x) Hepatitis A	-----

- b) Explain **five(5)** consequences of patient isolation as a measure to prevention spread of infectious disease (10 marks)

QUESTION FOUR (20 MARKS)

- a) Discuss the current measures being used by the government of Kenya through the ministry of health to prevent Malaria (8 Marks)
- b) Explain **four(4)** progression stages of untreated typhoid (12 Marks)

QUESTION FIVE (20 MARKS)

- a) Discuss **five(5)** forms of isolation in disease prevention (10 Marks)
- b) After visits and examination by a doctor, Grace was diagnosed with cholera. Discuss the signs and symptoms she may have exhibited (10 Marks)