



MACHAKOS UNIVERSITY

University Examinations 2019/2020 Academic year

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

SECOND YEAR SPECIAL /SUPPLEMENTARY EXAMINATION FOR
BACHELOR OF SCIENCE IN POPULATION HEALTH.

PPH 208: COMMUNICABLE DISEASES

DATE: 19/01/2021

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)

- Highlight **two(2)** modes of transmitting cholera (2 marks)
- Differentiate passive and active immunization (4 marks)
- Identify **three(3)** diagnostic signs of meningitis (3 marks)
- Explain **two (2)**treatment methods used for helminthes (2 marks)
- Outline **four (4)**communicable diseases that can be prevented by access to proper sanitation and hygiene (4 marks)
- Categorize hepatitis based on their modes of transmission (4 marks)
- It's incorrect that *all* dead bodies inherently cause [diseases](#). Explain (4 marks)
- Briefly describe the epidemiology of HIV/AIDS (4 marks)
- 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 *Schistomes* (parasites causing infection)

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) Describe the chain of transmission for infection of communicable diseases (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) Explain ways in which the environment can rendered less suitable for the occurrence of communicable diseases (10 marks)