



# 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

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## 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)