



MACHAKOS UNIVERSITY

Supplementary/Special University Examinations for 2020/2021 Academic Year

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

THIRD YEAR FIRST SEMESTER EXAMINATIONS

FOR BACHELOR OF SCIENCE POPULATION HEALTH

PPH208: COMMUNICABLE DISEASES

Date:

Time:

Instructions:

This paper consists of two sections A and B

SECTION A

Specific Instructions

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

QUESTION ONE (30 MARKS)

- a) Explain practices of food hygiene necessary to prevent dysentery in children (3 Marks)
- b) Using examples differentiate vector borne and vehicle borne disease transmission modes (2 Marks)
- c) Explain global efforts to stop the spread of COVID 19 (3 marks)
- d) Fill in the missing gap (5 Marks)

Communicable disease

causing organism/ micro-organism

- i) Cholera -----
- ii) amoebic dysentery -----
- iii) Malaria -----
- iv) Tuberculosis -----

- v) Hepatitis A -----
- e) Explain **three (3)** consequences of patient isolation as a measure to prevent spread of infectious disease (3 Marks)
- f) Discuss the challenges in screening and treating HIV/ AIDS in Kenya today (3 marks)
- g) Discuss the challenges in case finding and contact tracing that are of blame to the spread of Covid 19 (3 marks)
- h) Identify **three (3)** conditions that develop due to poor personal hygiene (3 marks)
- i) Highlight the challenges faced by people seeking screening and treatment for STIs in kenya (3 marks)
- j) Identify two childhood diseases that are immunizable at six (6), ten (10) and fourteen (14) weeks (2 marks)

SECTION B:

Specific Instructions

- **This section has four (4) questions**
- **Answer any two (2) questions**

Each question is 20 Marks

QUESTION TWO (20 MARKS)

- a) Despite public health efforts, HIV/AIDS is still a significant cause of morbidity and mortality worldwide. Discuss (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)

QUESTION THREE (20 MARKS)

Discuss the various public health measures in place to eliminate

- a) Malaria (10 marks)
- b) Tuberculosis (10marks)

QUESTION FOUR (20 MARKS)

- a) Discuss the limitations in case identification and contact tracing influencing spread of covid-19 (10 marks)
- b) Describe the lifecycle of *Schistosoma* worms in the human body (10Marks)

QUESTION FIVE (20 MARKS)

- a) Describe the precaution measures by health care personnel when handling infectious dead bodies (10 marks)
- b) In reference to a relevant example, explain the three levels of diseases prevention (10 marks)