



MACHAKOS UNIVERSITY

University Examinations for 2020/2021

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

THIRD YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (PUBLIC HEALTH)

HPH 304: PORT HEALTH

DATE: 16/8/2021

TIME: 2:00 – 4:00 PM

INSTRUCTIONS:

This paper consists of two sections A and B

SECTION A:

Specific Instructions

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

- a) Define the following terminologies (4 marks)
- Embark
 - Isolation
 - Cabin
 - Port of entry
- b) State the purpose and scope of Port Health (4 marks)
- c) Identify the staffing of Port Health Authorities (2 marks)
- d) Outline four (4) determinants of travel related risks (4 marks)
- e) Highlight six(6) internationally notifiable diseases (3 marks)
- f) State three (3) Contra-indications for travel (3 marks)
- g) Highlight the laws applicable to port Health (3 marks)
- h) Briefly explain how waste is collected and disposed in an airport (3 marks)

- i) Differentiate between :- (4 marks)
- i. Quarantine and surveillance,
 - ii. Disinfection and disinfestations

SECTION B:

Specific Instructions

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

QUESTION TWO (20 MARKS)

- a) Discuss article 18 recommendations of the International Health Regulations (10 marks)
- b) Describe different type of ship and state their usage (10 marks)

QUESTION THREE (20 MARKS)

- a) You are in a cruise ship from Florida to the Bahamas island. In the ship there are reported cases of Gastro-intestinal illness. Describe How you would monitor and investigate this illness (10 marks)
- b) A container containing medical equipment is off loaded at Kilindini harbour where you are in charge of clearing containers. Discuss the steps and procedures you are going to employ to clear this container (10 marks)

QUESTION FOUR (20 MARKS)

- a) Review and discuss the events observed in the history of port health (10 marks)
- b) As a port health officer explain how you would achieve good port environmental sanitation (10 marks)

QUESTION FIVE (20 MARKS)

- a) Vectors and rodent are known to transmit diseases and infections across border. Discuss how you would control them to reduce international transmission of diseases. (10 marks)
- b) Identify stakeholders in port health and discuss their roles. (10 marks)