



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE  
PUBLIC HEALTH/ COMMUNITY HEALTH AND DEVELOPMENT**

**Fourth<sup>year</sup> Second Semester: SEMESTER 2015/2016 ACADEMIC YEAR**

**KISII CAMPUS**

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**COURSE CODE:**

**HPD 3412**

**COURSE TITLE:**

**PORT HEALTH**

**EXAM VENUE:**

**STREAM: (BSc. P. Health / Comm Hlth & Dev)**

**DATE:**

**EXAM SESSION:**

**TIME: 2.00 HOURS**

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**Instructions:**

- 1. Answer all questions in section A and any other 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

**SECTION A Answer all questions in this section (30 marks)**

1. a) Briefly outline the history of port health (1 mark)
  - a) Yellow fever receptive area (1 mark)
  - b) Ship sanitation control certificate (1 mark)
2. a) Ship sanitation control exemption certificate ( 1marks)
  - b) What is the scope of international health regulations (1 mark)
  - c) Briefly enumerate three functions of a port health office (1 mark)
3. Briefly discuss the duties and responsibilities of the following
  - a) Ship master ( 1mark)
  - b) Ship surgeon (1 mark)
  - c) Free pratique (1 mark)
4. Briefly describe with examples three specific infectious diseases that involve potential health risks for travelers which may require travel health advice (3marks)
5. What the meaning of the following words
  - a) Airport (1 mark)
  - b) Aedes Aegypti index (1 mark)
  - c) Direct transit area (1 mark)
6. Mention any three powers of a port health officer (3 marks)
7. Name three functions of health services officer as the port of entry (3 marks)
8. Describe any three key functions port health in Kenya (3 marks)
9. Describe any three uses of information collected at the port of entry/exit (3 marks)
10. Briefly describe the procedure of a traveler to a yellow fever region (3 marks)

**SECTION B Answer any two Questions (40 Marks)**

1. a) You have been appointed the Port Health Officer in-charge of Lake Victoria port. Explain the statutes you will use in carrying out your duties. (10 marks)
  - b) Yellow fever is currently the only international notifiable disease for travelers from yellow fever receptive areas. Discuss the vaccination certificates' validity, vaccine dosage and contraindications (10 marks)
2. a) An aircraft from Cameroon with a suspected case of Ebola on board is due to land at Jomo Kenyatta International Airport in an hour's time. Give a detailed account of the health measures the JKIA port health officer should institute in preparation for the landing (10 marks)

- b) Discuss any five functions of International Air Transport Association in port health (10 marks)
- 3. a) Discuss any five roles and responsibilities of port health authorities (10 marks).
  - b) Discuss the five areas of classification of dangerous goods and codes in port health (10 marks)
- 4 a) Explain four thematic areas of Epidemiological concern to International Health Regulations (10 marks)
  - b) Explain the procedure of Notification of infectious disease or death on board of vessel as elaborated in Public Health Act Cap 254 (10 marks)