



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE**  
**PUBLIC & COMMUNITY HEALTH AND DEVELOPMENT**  
**3<sup>RD</sup> YEAR 2<sup>ND</sup> SEMESTER 2023/2024 ACADEMIC YEAR**  
**MAIN**

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**COURSE CODE:** HCB 1310

**COURSE TITLE:** PORT AND INTERNATIONAL HEALTH

**EXAM VENUE:** **STREAM: (BSc. Env Health)**

**DATE:** **EXAM SESSION:**

**TIME:** **2.00 HOURS**

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**Instructions:**

- 1. Answer all the questions in Section A each contain 3 marks and ANY other two questions in Section B each contain 20 marks.**
- 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 (30 MARKS)**

1. Explain information that has to be contained in the Planning for on-site inspection required for the safe inspection of ships as per IHR 2005 (3mks)
2. Describe circumstances that make a ship making an international voyage be considered affected (3).
3. Describe the 1st three principles of Hazards Critical Control Point (HACCP) implementation (3mks)
4. Explain what inspections of a ship in IHR 2005, are designed for (3mks)
5. Explain the document that the ship master must deliver to the competent authority on arrival at the port(3mks)
6. Describe three documents that may be requested by the competent authority to assess public health risk(3mks)
7. Explain the information that the ship's master need to receive from a competent authority before ship inspection begins (3mks)
8. Explain factors to consider when designating ground crossings(3mks).
9. Explain any three standard precautions that should be applied by any person on board ships who enters the isolation cabin to deal with a patient developing any sign/symptom of an infectious disease (3mks)
10. Explain three potential uses of potable water on board commercial transport aircraft (3mks)

**SECTION B - ANSWER ANY TWO QUESTIONS FROM THIS SECTION**

1. (i) Explain five Core capacity requirements at all time for Points of Entry (PoE) (10mks)
- 1(ii). Explain FIVE responsibilities of a Competent Authority (10mks)
- 2.(i) Explain the extension of ship sanitation certificate as provided in IHR 2005(10mks)
- 2(ii). Explain factors that are considered before taking and analyzing food or water sample from a conveyance as per IHR 2005 (10mks)
- 3.Explain Public health response measures for a traveler with a serious illness at ground crossing, when a response capacity is contract-tracing:
  - (i) before travel(5mks)
  - (ii) after travel (5mks)
- 4(i). Explain the components of water supply and transfer chain in the hygiene and sanitation in aviation (10mks)
- 4(ii). Explain four inspection system requirements in IHR 2005 for a ship (10mks)