



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF HEALTH SCIENCES  
UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND  
DEVELOPMENT  
1<sup>ST</sup> YEAR 2<sup>ND</sup> SEMESTER 2016/2017 ACADEMIC YEAR  
KISUMU**

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**COURSE CODE: HDC 2124**

**COURSE TITLE: PREVENTION AND CONTROL OF COMM & NON COMM  
DISEASES**

**EXAM VENUE:**

**STREAM: (Dip. Comm Health & Dev)**

**DATE:**

**EXAM SESSION:**

**TIME:**

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**Instructions:**

- 1. Answer all the 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. Differentiate between the following terms.
  - a. Communicable and Non-Communicable diseases
  - b. Incidence and Prevalence
  - c. Epidemic and Pandemic (6 marks)
2. Define a reservoir and give the 3 types of reservoirs. (4 marks)
3. What do you understand by;
  - a. Immunity
  - b. Epidemiologic triad (cycle)
  - c. Vaccination (6 marks)
4. Give 4 examples of barriers which the body uses as its first line of defence. (2 marks)
5. Define an accident. (1 mark)
6. List four types of poisoning. (2 marks)
7. State two goals of disease control. (2 marks)
8. Differentiate between direct and indirect modes of transmission. (4 marks)
9. List 3 communicable diseases and 3 non communicable diseases. (3 marks)

**SECTION B: Answer any 2 Questions in this section (15 marks each)**

1. Define public health surveillance and give six uses of public health surveillance (15 marks)
2.
  - a. Draw the organogram of health care systems in Kenya. (5 marks)
  - b. State the 10 essential services expected of public health to offer the populace. (10 marks)
3. Define infectious diseases and briefly discuss the types of infectious agents (15 marks)
4. Discuss cardiovascular diseases and state the risk factors and the ways they can be prevented/controlled. (15 marks)