



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE  
AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2012/2013**

**1<sup>ST</sup> YEAR 2<sup>ND</sup> SEMESTER EXAMINATIONS FOR DIPLOMA IN  
COMMUNITY HEALTH AND DEVELOPMENT**

**(MAIN)**

**COURSE CODE: HDC 2124**

**COURSE TITLE: PREVENTION & CONTROL OF COMMUNICABLE &  
NON-COMMUNICABLE DISEASES**

**DATE: 25/4/2013**

**TIME: 14.00-16.00PM**

**DURATION: 1.5 HOURS**

**INSTRUCTIONS**

- 1. This paper contains TWO sections.**
- 2. Answer ALL questions in section A (Compulsory) and ANY other Two questions in section B.**
- 3. Write all answers in the booklet provided**

**Answer all questions in section A and 2 questions in section B**

**SECTION A (30 MARKS)**

1. Distinguish between communicable and non-communicable diseases (4 marks)
2. Outline 3 routes of infection for a disease agent. (3 marks)
3. Explain 3 qualities of a good disease surveillance system. (3marks)
4. List 3 communicable diseases and state one method of prevention of that disease (3marks)
5. What is surveillance in disease transmission (3marks)
6. State the agents for the following diseases: (i) tuberculosis (ii) Schistosomiasis (iii) malaria (iv) Acquired Immuno-deficiency virus (4marks)
7. List three (3) Community risk factors for non-communicable diseases transmission (3 marks)
8. Define the following terms in disease transmission (i) reservoir host (ii) definitive host (iii) vector (iv) fomite (4marks)
9. Briefly explain Chemoprophylaxis (3 marks)

**SECTION B**

1. Discuss 5 risk factors for the high burden of communicable diseases? (15marks)
2. Write short notes on malaria disease with emphasis on the cause, transmission, treatment, prevention and control (15marks)
3. Discuss the primary, secondary and tertiary prevention and control of cardiovascular diseases? (15 marks)
4. Using a named example of a disease, describe the causes and prevention methods employed on non-communicable diseases (15marks)