



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR THE CERTIFICATE IN COMMUNITY HEALTH**  
**AND DEVELOPMENT**  
**1<sup>ST</sup> YEAR 2<sup>ND</sup> SEMESTER 2018/2019 ACADEMIC YEAR**  
**NAMBALE CAMPUS**

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**COURSE CODE: HDC 1125**

**COURSE TITLE: INTRODUCTION TO EPIDEMIOLOGY AND CONTROL OF  
COMMON DISEASES**

**EXAM VENUE:**

**DATE:**

**TIME: 1.5HRS**

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**EXAMINATION INSTRUCTIONS**

1. Read the question more than once to enable
2. Answer all the questions in **section A and ANY 2 questions in section B**
3. Do not write on the question paper
4. Candidates must hand in their answer booklets to the invigilator while in the examination room

## **SECTION A (ANSWER ALL QUESTIONS)**

1. Define the following terms (2mks each)
  - i) Host
  - ii) Agent
  - iii) Communicable diseases
2. State four signs and symptoms of Tuberculosis. (4mks)
3. List three characteristics of communicable disease. (3mks)
4. Describe the natural history of a disease. (4mks)
5. List three examples of Non-communicable diseases. (3mks)
6. State three methods you can use in prevention of spread of communicable diseases (6mks)
7. State four sources of epidemiological data (4mks)

## **SECTION B (ANSWER ANY TWO QUESTIONS)**

- 1 a) Define prevention and state the three levels of prevention. (6 mks)
- b) Describe the measures used in the control of communicable diseases (9mks)
- 2 a) List five examples of non-communicable diseases (5mks)
- b) Non-communicable diseases are a current health challenge in Kenya. Discuss the general risk factors associated with non-communicable diseases. (10mks)
- 3 a) State at least six signs of Malaria in Children (3mks)
- b) Describe the control and prevention measures utilised in malaria prevention (10mks)
- c) List four complications of malaria (2mks)
- 4 a) Define the following terms (1mk each)
  - i. Host
  - ii. Control
  - iii. Incubation period
  - iv. Epidemic

v. Endemic

b) Discuss the factors associated with disease occurrence and spread in the community (10mks)