



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DIPLOMA IN COMMUNITY HEALTH AND
DEVELOPMENT
1ST YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR
KISUMU CAMPUS

COURSE CODE: HDC 2124

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

EXAM SESSION: 2.00 – 3.30PM

STREAM: DIPLOMA COMMUNITY HEALTH AND DEVELOPMENT

DATE: 13/08/19

TIME: 1HOUR 30 MINUTES

Instructions:

- 1. Answer all the questions in Section A and two questions in Section B.**
- 2. Candidates should not 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. Giving examples, define the following terms
 - i) Latency period (1mk)
 - ii) Non-communicable diseases (1mk)
 - iii) Risk factor (1mk)
2. Using a relevant example, briefly explain the four modifiable risk factors for non-communicable diseases. (4mks)
3. What is virulence? Explain two virulence factors of an infectious disease. (3mks)
4. You have been called to educate people of Obunga community on how to control communicable diseases, briefly explain the control measures that you'll educate them on (4mks)
5. Using relevant examples differentiate between modifiable and non-modifiable risk factors (3mks)
6. List three characteristics of non-communicable diseases (3mks)
7. Using relevant examples differentiate between prevention and control of diseases (2mks)
8. How do you compare the impact of communicable disease in Kenya with that of the developed world? (3mks)
9. Asthma is one of the diseases of public health importance in the world. What are the main predisposing factors of Asthma? (3mks)
10. List 2 main zoonotic diseases and their mode of transmission (2mks)

SECTION B: ANSWER ANY TWO QUESTIONS FROM THIS SECTION (30 MARKS)

1. Discuss the major factors involved in the transmission of communicable diseases. (15mks)
2. Using the Epidemiologic triad, discuss the factors that lead to the emergence of a disease (15mks)
3. Mary a program officer has been tasked by her boss to conduct a CME at her workplace on communicable and non-communicable diseases,
 - i) Highlight the levels of non-communicable diseases prevention that she will share in the CME (8mks)
 - ii) Highlight the four factors that contribute to the spread of communicable diseases that she will share in the CME (7mks)
4. HIV/AIDS is a major disease of public health importance in the world,
 - i) Discuss the current prevalence rate of HIV/AIDS in Kenya (7mks)
 - ii) Discuss the main modes of transmission and control measures of HIV/AIDS (8mks)