



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF  
HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN  
COMMUNITY HEALTH AND DEVELOPMENT**

**3<sup>RD</sup> YEAR 1<sup>ST</sup> SEMESTER 2023/2024 ACADEMIC YEAR**

**KISUMU**

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**COURSE CODE: HCB 2301**

**COURSE TITLE: COMMUNICABLE AND NON-COMMUNICABLE DISEASES**

**EXAM VENUE: STREAM: (BSc Comm Hlth & Dev)**

**DATE: EXAM SESSION:**

**TIME: 2.00 HOURS**

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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: 30 Marks**

*(Attempt all questions in this section)*

1. State any three examples of non-communicable diseases whose causation involves an infection with a communicable disease (3 marks)
2. List any three non-communicable diseases (NCDs) that may be prevented at primary/secondary level through chemoprophylaxis (3 marks)
3. State any three advantages of a high-risk-individual strategy of primary prevention of NCDs (3 marks)
4. The THREE main intentions of tertiary prevention of an NCD are? (3 marks)
5. Outline the probable criteria for a notifiable disease (3 marks)
6. Outline the constructs of the endemic theory of communicable diseases (3 marks)
7. State any three modifiable risk factors for cardiovascular diseases (3 marks)
8. Describe any TWO types of carriers and explain their role in disease causation. (3 marks)
9. Outline any three main approaches to managing patients infected/affected by Venereal diseases (3 marks)
10. State any THREE transitions for emergence and re-emergence of communicable diseases (3 marks)

**SECTION B: 40 MARKS**

*(attempt any TWO questions in this section)*

1. Using the epidemiologic classification of malaria, discuss the current recommended prevention strategies in Kenya (20 marks)
2. Discuss the current WHO's principles for the prevention of Non-communicable diseases (20 marks)
3. With examples, discuss the levels of prevention of communicable diseases (20 marks)
4. Discuss the WHO's "five keys" of prevention of food-borne infections (20 marks)