



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

**UNIVERSITY EXAMINATION FOR THE DIPLOMA OF  
COMMUNITY HEALTH AND DEVELOPMENT**

**1<sup>ST</sup> YEAR 2<sup>ND</sup> SEMESTER 2023/2024 ACADEMIC YEAR**

**MAIN**

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**COURSE CODE: HCD 1125**

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

**EXAM VENUE:**

**DATE: EXAM SESSION:**

**TIME: 1.30 HOURS**

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**Instructions:**

- 1. Answer all 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. Explain the following terminologies as used in Epidemiology
  - a) Agent
  - b) Host
  - c) Environment(3 Marks)
2. Briefly Explain the difference between Descriptive Epidemiology and Analytical Epidemiology (3 Marks)
3. Epidemiology is a science always addresses epidemics and is related with mass phenomenon of infectious diseases. Mention the three major Aims of Epidemiology (3 Marks)
4. We have various common illness. Highlight any Three common illnesses in your County (3 Marks)
5. Mention any Three measures in Control of Communicable Diseases (3 Marks)
6. Mention any Three ways that Germs spread (3 Marks)
7. Mention The Three major Epidemiological Approaches (3 Marks)
8. Briefly Explain the the concept of “Natural History of a Disease” (3 Marks)
9. Screening is done to detect disease or risk at an early stage of its development; Briefly mention any Three different Types of Screening Tests (3 Marks)
10. Mention any Six Health Habits that we can learn, practice and teach to prevent diseases (3 Marks)

**SECTION B Answer any two Questions (30 Marks)**

11. Discuss the uses of Epidemiology with relevant examples (15 Marks)
12. Discuss the Process of Disease Transmission (15 Marks)
13. The reason why an infectious agent causes disease now and not later depends on a number of factors. discuss (15 Marks)
14. Discuss the principles of Epidemiology (15 Marks)