

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

**FIRST YEAR FIRST SEMESTER EXAMS
HCD 2124: PREVENTION AND CONTROL OF COMMUNICABLE & NON-
COMMUNICABLE DISEASES**

SECTION A: Answer ALL questions in this section (3 Marks each).

1. Define the concept of disease prevention and control.
2. a) Define disease surveillance.
b) List the two types of disease surveillance.
3. List the six types of outbreaks.
4. Distinguish between elimination and eradication.
5. Define the following terms:
 - a. Portal of entry.
 - b. Portal of exit.
 - c. Reservoir.
6. List the determinants of disease prevention.
7. With a diagram, describe the pre-clinical and clinical phases of a disease.
8. Briefly discuss the levels of disease occurrence.
9. List the risk factors of non-communicable diseases
10. Give examples of three non-communicable diseases in Kenya today.

SECTION B

Answer any TWO questions from this section (15 marks each)

1. Discuss in detail the different levels of disease prevention.
2. Discuss the modes of transmission in the chain of infection of a disease.
3. a) Define the natural history of a disease.
b) Differentiate between incubation period and latent period of a disease.
4. a) List the reasons why disease outbreak investigations are important.
b) Discuss the ten steps of disease outbreak investigation.