



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE
PUBLIC HEALTH/COMMUNITY HEALTH AND DEVELOPMENT
1ST YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR
KISUMU CAMPUS

COURSE CODE:

HMP: 5134

COURSE TITLE:

**COMMUNICABLE DISEASE
EPIDEMIOLOGY AND CONTROL**

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

Instructions

- 1. Answer question one (compulsory) and any other three**
- 2. Each question is weighted 15 marks**

ANSWER QUESTION ONE AND ANY OTHER THREE QUESTIONS

1. i) Discuss the epidemiologic triangle of disease determinants (12 marks)
ii) Explain the importance of epidemiology in prevention and control of communicable diseases (3 marks)

1. Discuss THREE common communicable diseases internationally (Etiology, Mode of transmission, Signs and Symptoms, Risk factors and Prevention and control)

2. i) Discuss the chain of infection for HIV infection within a population (12 marks)
ii) Discuss the key challenges of Communicable Diseases prevention and control in developing countries (3 marks)

3. Discuss the principles of communicable disease prevention and control by use of Corona viral infection as an example.

4. i) Discuss FOUR levels of communicable disease prevention (12 marks)
ii) Explain TWO major types of immunity for communicable disease immunology and control (3 marks)

5. i) Explain FOUR key stages of an infection in a host (5 marks)
ii) Discuss the Malaria disease prevention and control interventions in Africa region (10 marks)