



**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**  
**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 (1) that is compulsory and any other TWO (2) questions.**
- 2. Candidates MUST not write anything on the question paper.**
- 3. Candidates MUST hand in their answer booklets to the invigilator while in the examination room.**



1. Explain the importance of epidemiology for the prevention and control of an infectious pandemic outbreak (15marks)
2. Discuss the principles of communicable disease prevention and control by use of Corona viral infection as an example (15 marks).
3.
  - i) Discuss the chain of infection for Human Papilloma Virus infection within a population (12 marks)
  - ii) Discuss the key challenges of Communicable Diseases prevention and control in developing countries (3 marks)
4. Apply the strategies for epidemiology of Diarrheal disease outbreak prevention and control within low- and middle-income countries (15 marks)
5. Discuss the five levels of prevention and control of sexually transmitted infections in Kenya (15 marks)
6. Discuss the determinants of communicable disease occurrence citing examples (15 marks)