



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SCHOOL OF HEALTH SCIENCES

**DEPARTMENT OF PUBLIC HEALTH-EPIDEMIOLOGY AND DISEASE
CONTROL**

1ST YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR

KISII CAMPUS

COURSE CODE: HMP 5134

**COURSE TITLE: COMMUNICABLE DISEASE EPIDEMIOLOGY AND
CONTROL**

Instructions

1. Answer four questions in this paper.
2. Question one is a compulsory question to answer, then select any other three (3) questions.
3. Candidates are advised not to write on the question paper.
4. Candidates must hand in their answer booklets to the Invigilator while in the examination room.

Questions

1. Describe control strategy and organization of Communicable Diseases (CDs) (15marks).
2. Discuss Surveillance plan for sexually transmitted infections (STIs) used in Kenya and challenges associated to each approach.(15 marks)
3. Discuss three (3) major intervention strategies used in malaria prevention and control.
4. Discuss the model of disease epidemiology and show how it can be used to explain the etiology, prevention and control of infectious disease.
5. Define the term epidemic. Describe the steps of epidemiological investigations in the community.
6. According to WHO, TB infection is a serious global public health concern ranked second among the leading causes of mortality associated with infectious diseases. Discuss factors associated to this trend and the appropriate intervention.