



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
IN COMMUNITY HEALTH AND DEVELOPMENT**

3rd YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE: HCD 3223

COURSE TITLE: DISEASE SURVEILLANCE AND OUTBREAK INVESTIGATION

EXAM VENUE: STREAM

DATE:

EXAM SESSION:

TIME:

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**

Instructions: Answer Question 1 (compulsory) and any three questions

Question 1

Give a brief account of Epidemiological approaches of :

- a) Active Surveillance 5 marks
- B) Passive Surveillance 5 marks
- C) Sentinel Surveillance 5 marks

Question 2

- a) Why is disease Surveillance important? 3 marks
- b) Discuss briefly the uses of Disease surveillance data 12 marks

Question 3

Explain briefly the Concepts and principles of Epidemiology 15 marks

Question 4

Citing specific examples, give the differences between

- a) Epidemics and Pandemic 5 marks
- b) Disease out breaks and Epidemics 5 marks
- c) Holoendemics and Hyperendemics

Question 5

Discuss the prevention and control of Non-communicable diseases 15 marks

Question 6

Discuss Disease surveillance Methods and Strategies:

- a) Case definitions,
- b) Data registration
- c) Declarations 15 marks