

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2012/2013

2ND YEAR 2ND SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMMUNITY HEALTH AND DEVELOPMENT & BACHELOR OF SCIENCE IN PUBLIC HEALTH

(KISUMU LEARNING CENTRE)

COURSE CODE: HCD 3223

COURSE TITLE : DISEASE SURVEILLANCE AND OUTBREAK INVESTIGATION

DATE: 17/4/2013 TIME: 11.00-13.00PM

INSTRUCTIONS

- 1. This paper contains TWO sections.
- 2. Answer ALL questions in section A (Compulsory) and ANY other Two questions in section B.
- 3. Write all answers in the booklet provided.

PART I: Answer all questions – 30 marks

- 1. Define the following terms.
 - a) Surveillance system (2 marks)
 - b) Syndromic surveillance (1 mark)
 - c) Sentinel surveillance (1 mark)
 - d) Passive surveillance (1 mark)
- 2. List the limitation of disease reporting in surveillance system (5 marks)
- 3. Name three types of population covered by registries (3 marks)
- 4. State the surveillance system attribute that are evaluated (4 marks)
- 5. In outbreak investigation, cases can be classified as: (3 marks)
- 6. Duration of epidemic is determined by: (3 marks)
- 7. List the aspects of investigation to be considered when developing hypothesis during outbreak investigation (4 marks).
- 8. What are the characteristic of person taken in to account when performing descriptive epidemiology in outbreak investigation (3 marks).

PART II: Answer any two questions - 40 marks

- 1. Focusing on transmission dynamics and control points of diseases, describe how prevention and control strategies would be implemented in a disease outbreak (20 marks).
- 2. Describe various types of surveillance systems (20 marks).
- 3. Describe steps taken in disease outbreak investigation (20 marks).
- 4. Outline steps involved in planning a surveillance system (20 marks).