



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

PUBLIC HEALTH/COMMUNITY HEALTH AND DEVELOPMENT

4TH YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR

KISUMU CAMPUS

COURSE CODE:

HPD 3414

COURSE TITLE:

PUBLIC HEALTH SURVEILLANCE AND INFORMATICS

EXAM VENUE:

STREAM: BSc Public/ Comm. Hlth & Dev

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A and 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.**

SECTION A.

Answer ALL questions

1. Define the term “Public health surveillance”. (3 marks)
2. Why do we commit resources towards public health surveillance? (3 marks)
3. Define the term “Active” Surveillance. (3 marks)
4. Name three sources of public health surveillance data. (3 marks)
5. State three Disadvantages of using “Social Media” for public health surveillance. (3 marks)
6. Name three National Public health surveillance platforms in Kenya. (3 marks)
7. State the importance of having an “Objective” for a public health surveillance system. (3 marks)
8. Explain the role of surveillance data in the control of epidemics? Give examples. (3 marks)
9. What is Public health informatics? (3 marks)
10. What is meant by the term “ICD 10” (ICD)? (3 marks)

SECTION B.

Answer any two questions

11. “The Kenyan public health surveillance system is disjointed”. Discuss. (20 marks)
12. Discuss ways through which the Kenyan Integrated Disease Surveillance and Response system can be improved. (20 marks)
13. Discuss the factors that contribute to “Over-reporting” of surveillance data. (20 marks)
14. For your university project, you have decided to evaluate a local “County Health and Demographic Surveillance System (cHDSS)”. Discuss the steps you would undertake during this exercise. (20 marks)