



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
SPECIAL EXAMINATIONS NOV. 2020

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. Explain the importance of undertaking Public health surveillance? (3 marks)**

2. Differentiate “Passive” from “Active” Surveillance. (3 marks)
3. Name three sources of public health surveillance data. (3 marks)
4. State three consequences of “under-reporting “ of Public health surveillance data. (3 marks)
5. Name three tools used for the collection of surveillance data (3 marks)
6. State three “Types of data analysis” for surveillance data (3 marks)
7. Describe the role of “Feedback” in Public Health Surveillance (3 marks)
8. Name three feedback mechanisms that can be employed by local surveillance officials (3 marks)
9. Define the term “Secondary data”. Give examples. (3 marks)
10. Define the term “Public health informatics”. (3 marks)

SECTION B. Answer any TWO questions

11. a. Define the term “Social Media” (3 marks)
 - b. Discuss the merits and demerits of “Social media” as a good public health surveillance platform. (17 marks)
12. “The Kenyan National Public Health Surveillance System is unco-ordinated”.
 - a. Discuss the validity of the statement above. (10 marks)
 - b. Notwithstanding your response above, suggest ways of improving the surveillance system (10 marks)
13. Discuss how Mobile-Phone Survey Platforms can be used to report and respond to zoonotic diseases (20 marks)
14. Discuss ten attributes of a well-functioning Public Health surveillance system. (20 marks)