



**JARAMOGI OGINGA ODINGA UNIVERSITY OF
SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR DEGREE IN PUBLIC HEALTH/
COMMUNITY HEALTH AND DEVELOPMENT**

3RD YEAR 1ST SEMESTER 2013/2014 ACADEMIC YEAR

CENTER: MAIN CAMPUS

COURSE CODE: HCD 3312
COURSE TITLE: HEALTH MANAGEMENT AND INFORMATION SYSTEM
EXAM VENUE: STREAM: BSc. Public Health/Community Health & Devt.
DATE: 04/12/2013 EXAM SESSION: 9.00-11.00 AM

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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.**

SECTION A

Question 1

- a.) Give the definition of these terms as used in health management and information systems:
- a. Communications systems
 - b. Health information systems (2 marks)
- b.) With examples, briefly show how the following factors influence integrity of health information
- i. validity (2 marks)
 - ii. reliability (2 marks)
 - iii. comparability (2 marks)
 - iv. transparency (2 marks)
- c.) with reasons, identify any four users of health information (4 marks)
- d.) briefly discuss any four sources of health data, and show their coverage levels (4 marks)
- e.) briefly discuss any four benefits that county governments will derive from investing in health information (4 marks)
- f.) describe the health for action cycle (8marks)

SECTION B

Question 2

- i. Illustrate and discuss the four domains or areas of interest that a health information system should address (12 marks)
- ii. discuss any four major impediments to health data quality (8 marks)

Question 4

Health information is sometimes complex for decision makers to understand and interpret. As the health information manager in an organization of your choice,

- a. Outline the criteria you would use to identify cost effective data collection strategies (12 marks)
- b. Discuss four ways of ensuring that the health information you disseminate is simple, direct and easily comprehensible. (8 marks)

Question 5

In Kenya, high-quality health data are produced. However, this does not necessarily result in their effective use in decision-making. Discuss ten ways of encouraging health data usage in decision making. (20 marks)

Question five

Discuss any five applications of ICT in health communication and the impact it has in health promotion (20 marks)