

**JARAMOGI OGINGA ODINGA UNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
UNIVERSITY EXAMINATIONS 2013/2014  
THIRD YEAR SECOND SEMESTER  
EXAMINATIONS FOR THE DEGREE OF  
BACHELOR OF PUBLIC HEALTH AND  
COMMUNITY HEALTH**

**KISII LEARNING CENTRE**

**COURSE CODE: HCD 3312**

**TITLE: HEALTH MANAGEMENT AND INFORMATION  
SYSTEMS**

**DATE:**

**TIME:**

**DURATION: 2 HOURS**

**INSTRUCTIONS**

- 1. THIS PAPER CONTAINS FIVE QUESTIONS.**
- 2. ANSWER QUESTION 1 (COMPULSORY) AND ANY  
OTHER TWO QUESTIONS.**
- 3. WRITE ALL ANSWERS IN THE BOOKLET PROVIDED**

1. (a) Describe the ways in which Information systems enhance the quality of healthcare. (8 marks)  
(b) Discuss the challenges associated with the current health information system in Kenya. (12 marks)  
(c) Explain the role and uses of ICT in healthcare of third world countries (10 marks)
2. (a) Good quality data is useful in making decisions on patient-client management, health unit and system management. Discuss the ways to enhance the use of information in decision making within the healthcare information system. (10 marks)  
  
(b) Describe the role of the media in health promotion. (5 marks)  
(c) Outline five important information needs for health unit management (5 marks)
3. (a) Explain five practices that are carried out in Health Information systems to ensure confidentiality of patients/clients. (5 marks)  
(b) Discuss the impediments to good quality data in Health Information systems. (8 marks)  
(c) Describe the measures that can be taken to improve and ensure Data quality. (7 marks)
4. (a) Describe the advantages and disadvantages of the following channels of communication in health promotion: (10 marks)
  - (i) Television
  - (ii) Social media websites  
(b) Discuss the standard procedure in restructuring community Information systems. (10 marks)
5. (a) Describe the principles in developing health information and communication materials. (10 marks)  
(b) Discuss the implications of the ethico – legal issues in Health Information systems (10 marks)