



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

**A. M. E. C. E. A**

**REGINA PACIS INSTITUTE OF HEALTH SCIENCES**

**MAIN EXAMINATION**

**AUGUST – DECEMBER 2017 TRIMESTER**

**FACULTY OF SCIENCES**

**DEPARTMENT OF COMMUNITY HEALTH**

**REGULAR PROGRAMME**

**BMS 102: HEALTH INFORMATICS**

P.O. Box 62157  
00200 Nairobi - KENYA  
Telephone: 891601-6  
Fax: 254-20-891084  
E-mail: academics@cuea.edu

**Date: DECEMBER 2017**

**Duration: 2 Hours**

**INSTRUCTIONS: Answer ALL Questions**

**Answer all questions in this section**

- Q1. Define the following terms **(6 marks)**
- a) Health informatics
  - b) Search engine
  - c) Management information system
  - d) Electronic health records
  - e) Information science
- Q2. Describe health information system **(4 marks)**
- Q3. Identify and discuss the key forces behind the medical informatics **(5 marks)**
- Q4. State the impact of hitech on medical informatics **(5 marks)**
- Q5. Discuss five ethical and security consideration in health informatics. **(5marks)**

**SECTION TWO: LONG ANSWER QUESTIONS-(45 marks)**  
**Questions 1 & 2 are Compulsory and any other one.**

- Q1. Discuss the barriers to health information technology(HIT) adoption **(10 marks)**
- Q2. Outline the benefits of electronic health records **(15marks)**
- Q3. Describe the key components of an electronic health record system. **(20 marks)**

Q4. Describe how the following key players in Health Information Technology utilize health information technology **(20 marks)**

- a) Patient
- b) Medical educators
- c) Hospitals
- d) Public health
- e) Clinicians

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