THE TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN COMMUNITY HEALTH & HIV MANAGEMENT (DEH 12J)

EIT 2102: INFORMATION TECHNOLOGY

END OF SEMESTER EXAMINATION
SERIES: APRIL 2013
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination

This paper consists of **FIVE** questions. Attempt question **ONE** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One (Compulsory)

a) (i) Differentiate between analog and digital computers. **(4 marks)**

(ii) Name **THREE** types of logical operators. **(3 marks)**

(iii) Describe the **THREE** buses found in the control unit. **(9 marks)**

b) Outline **FIVE** functions of the database. **(5 marks)**

c) (i) Name **THREE** examples of high level language. **(3 marks)**

(ii) Describe any **TWO** types of keyboard. **(6 marks)**

Question Two

a) Write the following abbreviations in full. **(5 marks)**
- OMR
- OBR
- EPROM
- DRAM
- ATM

b) Discuss how the internet has affected the society. **(10 marks)**

Question Three

a) Describe **THREE** types of registers. **(9 marks)**

b) Describe the **THREE** levels of the cache memory. **(6 marks)**

Question Four

Describe **THREE** data processing modes. **(15 marks)**

Question Five

a) Describe any **THREE** data collection methods. **(9 marks)**

b) Differentiate between the LCD monitors and Cathode Ray tube monitors. **(4 marks)**

c) Name any **TWO** peripherals device. **(2 marks)**