



THE TECHNICAL UNIVERISTY OF MOMBASA
**Faculty of Engineering &
Technology**

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN COMMUNITY HEALTH & HIV MANAGEMENT
(DEH 13M/DCH 13M)

EIT 2102: INFORMATION TECHNOLOGY

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

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

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 **THREE** printed pages

Question One (Compulsory)

- a) Explain **FOUR** benefits of computers in an organization. **(8 marks)**
- b) State and explain the computer generations. **(8 marks)**
- c) Define the following. **(6 marks)**
 - (i) Barcode reader
 - (ii) Plotters
 - (iii) Joystick
- d) Explain any **THREE** types of ROM **(6 marks)**
- e) Define the term “computer” **(2 marks)**

Question Two

- a) Explain the classification of computers. **(12 marks)**
- b) Explain **FOUR** functions of operating system software. **(8 marks)**

Question Three

- a) State and explain **FOUR** internet services. **(4 marks)**
- b) Differentiate between primary and secondary memory. **(4 marks)**
- c) Differentiate between impact and non-impact printers **(4 marks)**
- d) Explain the following types of computers. **(8 marks)**
 - (i) Micro computers
 - (ii) Hybrid computers
 - (iii) Super frame computers
 - (iv) Palmtop computers

Question Four

- a) Explain the following views in Ms PowerPoint. **(6 marks)**
 - (i) Normal view
 - (ii) Slide sorter view
 - (iii) Slide show view
- b) Explain the use of the following tools in Ms Word. **(6 marks)**
 - (i) Spell check
 - (ii) Formatting tool bar
 - (iii) Template
- c) Use the following cross-section of a worksheet to answer the questions below. **(8 marks)**

	F	G	H	I	J
4	SNO	NAME	CAT	EXAM	TOTAL MARKS
5	100	TOM	20	60	
6	101	MARY	21	41	
7	102	PETER	7	15	
8	103	GORGE	10	20	
9	104	HALIMA	21	52	
10	105	SALIM	17	48	

Write Excel formulas to do the following:

- (i) Calculate the total marks for TOM
- (ii) Determine the student who scored the highest exam mark.
- (iii) Determine the student who scored the lowest CAT mark
- (iv) Calculate the average exam mark

Question Five

- a) Convert number 96 to binary. **(3 marks)**
- b) With the aid of a diagram, explain **SIX** elements of computer system hardware. **(12 marks)**
- c) Explain the process of resaving a word document text.doc from C drive to a flash disk. **(5 marks)**