



# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

*Faculty of Engineering & Technology*  
*Faculty of Business & Social Studies*

**DEPARTMENT COMPUTER SCIENCE & INFORMATION TECHNOLOGY**

DIPLOMA IN COMMUNITY HEALTH – (DCH 11M)

DIPLOMA IN NUTRITIONAL HEALTH (DNH 11M)

DIPLOMA IN COMMUNITY DEVELOPMENT & COUNSELLING (DCDC 115)

DIPLOMA IN MEDICAL LABORATORY SCIENCES (DMLSM 11)

**ASN2C 2116: INFORMATION TECHNOLOGY**

**ASHC2 21101: INFORMATION TECHNOLOGY**

**BLS 2103: COMPUTER APPLICATIONS**

**EIT 2181: INFORMATION TECHNOLOGY**

END OF SEMESTER EXAMINATIONS

**SERIES: DECEMBER 2011**

**TIME: 2 HOURS**

## **Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions in **TWO** sections **A & B**

Answer question **ONE (COMPULSORY)** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

## SECTION A (COMPULSORY)

### Question one (30 marks)

- a) Define the following terms:
- i. Data
  - ii. File
  - iii. Software
- (3 marks)
- b) List **five** methods of starting programs in MS Windows (5 marks)
- c) Describe **three** methods of arranging multiple programs in MS Windows (3 marks)
- d) Distinguish between Low level and high level programming languages (2marks)
- e) List **four** application of the internet in your profession (4 marks)
- f) By use of a diagram, explain the organization of the keyboard (3 marks)

## SECTION B (ANSWER ANY TWO QUESTIONS)

### Question Two 20 marks

- a) Distinguish between analogue and digital computers (4 marks)
- b) Describe the parts of a computer system supported with examples in each case (12 marks)
- c) List **four** reasons as to why computers are important in your profession (4 marks)

### Question Three 20 marks

- a) Describe **five** types of computers based on size and processing power (10 marks)
- b) Define the following internet terms:
- i. Home page
  - ii. Hypermedia
  - iii. Search engine
- (6 marks)
- c) List **four** characteristics expected of future computer generations (4 marks)

### Question Four 20 marks

- a) Describe the function of the following MS-DOS commands with an example on how each command is used:
- i. DIR
  - ii. CD..
  - iii. RD
  - iv. DEL
  - v. MD
- (10 marks)
- b) List any **six** features of word processing applications (6 marks)
- c) Differentiate between primary and secondary memory (4 marks)

**Question Five 20 marks**

- a) Define the terms:  
i. Window  
ii. Desktop (4 marks)
- b) Describe the functions of the FOUR main sections of the Microsoft Windows taskbar (8 marks)
- c) Use the following section of a worksheet to answer questions (i) to (iv) below:

	A	B	C	D	E	F
1	<b>Student Marks</b>					
2	S/N	NAME	MATHS	ENGLISH	TOTAL	
3	1050	OUMA	56	56		
4	2010	MARIAM	62	52		
5	1920	OKANDA	72	49		
6	1250	ALI	64	55		
7						
8						

Write an Excel function to:

- i. Calculate total marks for Ouma  
ii. Calculate the mean score in maths  
iii. Determine the highest score in maths  
iv. Determine the lowest mark in maths (8 marks)