



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT OF MEDICAL SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCES
DEPARTMENT OF LIBERAL & SOCIAL STUDIES

DIPLOMA IN COMMUNITY HEALTH (DCH 11M)

DIPLOMA IN COMMUNITY DEVELOPMENT & COUNSELLING (DCD 11)

DIPLOMA IN MEDICAL LABORATORY SCIENCES (DMLS M11)

ASN2C 2116: INFORMATION TECHNOLOGY

ASH2C2 1101: INFORMATION TECHNOLOGY

BLS 2103: COMPUTER APPLICATIONS

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: FEBRUARY/MARCH 2012

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 [COMPULSORY, 30 MARKS]

- a) Define the following terms:
- i) Software
 - ii) Microsoft office
- (2 marks)
- b) List **SIX** functions of an operating system software (6 marks)
- c) List **SIX** methods of starting programs in MS Window (5 marks)
- d) Describe **THREE** methods of arranging multiple programs in MS Windows (3 marks)
- e) List **FOUR** advantages of application packages (4 marks)

SECTION B (Answer any two questions)

QUESTION TWO [MATLAB] [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)

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) TREE
 - (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 following spreadsheet terms:
- (i) Worksheet
 - (ii) Cell
- (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	SALES REPORT					
2	S/N	REGION	BLANKET S (KSH)	TOWELS (KSH)	KIKOI (KSH)	
3	1	KWALE	25000	15000	1500	3
4	2	UKUNDA	2100	12000	1560	
5	3	SHIMONI	15200	10200	1200	
6	4	LIKONI	10500	16200	1560	
7						
8						

Write an Excel function to:

- (i) Calculate total sales for kwale
- (ii) Calculate the mean sales for blankets
- (iii) Determine the highest sales value for blankets
- (iv) Determine the lowest sales value for blankets

(8 marks)