



THE TECHNICAL UNIVERISTY OF MOMBASA

# Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DAC 12S/DHIM 13J

**EIT 2101: COMPUTER APPLICATIONS**

END OF SEMESTER EXAMINATION

**SERIES: APRIL 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) What is a compute? (2 marks)
- b) Explain the following terms as used in computer science.  
(i) Data  
(ii) Program  
(iii) Data processing (4 marks)
- c) What are the functions of an operating system? (6 marks)
- d) Identify the advantages of using computers in banking. (8 marks)
- e) State the difference between desktop computers and laptop computers. (2 marks)
- f) What are the major characteristics of a computer system? (8 marks)

**Question Two**

- a) What is a cell? (1 mark)
- b) List and explain **THREE** functional units of a computer. (6 marks)
- c) What is the difference between a workbook and a worksheet? (2 marks)
- d) What is a function? (2 marks)
- e) List and explain **THREE** functions stating **TWO** examples for each. (9 marks)

**Question Three**

- a) What is a word processor? (2 marks)
- b) List **FOUR** examples of a word processor mainly used in the market. (2 marks)
- c) Give **THREE** comparisons of the traditional method of typing a document on a typewriter against using a word processor. (6 marks)
- d) Veronica tried to retrieve a document file following all the steps correctly. The file name did not appear in the list box. State **THREE** causes for this. (4 marks)
- e) Precisely, explain the role of the following editing features of a word processor. (6 marks)  
(i) Find and replace  
(ii) Undo and redo  
(iii) Thesaurus  
(iv) Autocorrect

#### Question Four

- a) Explain **FIVE** application areas where spreadsheets software can be used. **(10 marks)**
- b) Name **FOUR** data types as used in spreadsheets. **(2 marks)**
- c) Differentiate between relative and absolute cell reference as used in Ms-excel. **(2 marks)**
- d) Explain the **THREE** types of database models. **(6 marks)**

#### Question Five

Study the worksheet below and answer the questions that follow:

	A	B	C	D	E	F1
1						
2	<b>SKYWAY AGENCIES</b>					
3						
4	Rexona	3400	3700	4000	4100	
5	Life boy	2500	2600	2100	1600	
6	Omo	6000	6100	6300	1600	
7	Ushindi	1200	1500	1400	6400	
8	Carmel	700	6900	6200	800	
9	Total					
10	Maximum					
11	Average					

- a) Write functions that can be entered to get total, maximum and average of each region. **(4 marks)**
- b) Write down the function that returns the number of sales in the four regions whose value is greater than or equal to 2000 **(1 marks)**
- c) The function = SUM (B4:E4) is entered and F5 and this copied to F8. Write down the function as it appears in the destination cell. **(3 marks)**
- d) Discuss **FOUR** advantages and **TWO** disadvantages that electronic mails have over regular mails. **(6 marks)**
- e) Briefly describe **FOUR** factors contributing to internet access and growth in Kenya. **(6 marks)**