



THE TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN BUILDING & CIVIL ENGINEERING (DBCE 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

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) Differentiate between the following: (6 marks)
(i) Input and output devices
(ii) Analog and digital computer
(iii) Dedicated and general purpose computer
- b) Describe steps followed to: (2 marks)
(i) Save a document
(ii) Open an existing document
- c) Briefly explain the **THREE** main components of computer system unit. (6 marks)
- d) Describe **THREE** functions of operating system software (6 marks)

Question Two

- a) Explain the following terms: (6 marks)
(i) Database
(ii) DBMS
(iii) Primary key field
- b) Outline any **TWO** limitations of file based systems. (1 mark)
- c) Describe input devices explain **THREE** common input devices. (4 marks)
- d) State and explain any **FIVE** advantages of word processing. (5 marks)
- e) Outline any **FOUR** advantages of databases (4 marks)

Question Three

- a) Explain briefly any **FOUR** general features of electronic spreadsheets. (4 marks)
- b) State any **FOUR** chart types used in ms excel to represent data. (4 marks)
- c) Explain any **FOUR** advantages of using electronic spreadsheets over manual spreadsheets. (8 marks)
- d) Briefly explain the meaning of the following. (4 marks)
(i) Paragraph Alignment
(ii) Wrapping
- e) Give the difference between a function and a formula. (2 marks)

Question Four

- a) Give the procedure for: (4 marks)
(i) Inserting a table in a document
(ii) Inserting a picture in a document

- b) Define a folder and write down steps to follow when creating a folder in any documents. **(2 marks)**
- c) State the function of the tools found on the picture toolbar below. **(10 marks)**
- (i) Cropping tool
 - (ii) Reset picture
 - (iii) Text wrapping
 - (iv) Format picture
 - (v) Insert picture
- d) How would you perform the following:
- (i) Insert a row
 - (ii) Delete a worksheet
 - (iii) Insert a worksheet
 - (iv) Insert a column **(4 marks)**

Question Five

- a) Explain the following case formats: **(6 marks)**
- (i) Sentence case
 - (ii) Toggle case
 - (iii) Upper case
- b) Explain briefly any **FOUR** types of paragraphs alignments. **(4 marks)**
- c) Define the term internet. **(2 marks)**
- d) Describe **FIVE** services offered by the internet. **(5 marks)**
- e) List and explain any **THREE** Ms Access data objects. **(3 marks)**