TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN ELECTRICAL & ELECTRONIC ENGINEERING
(DEEE I)

EIT 2101: COMPUTER APPLICATIONS

END OF SEMESTER EXAMINATION
SERIES: APRIL 2015
TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
You should have the following for this examination
    -    *Answer Booklet*
This paper consists of **FIVE** questions.

Attempt 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

Question One (Compulsory)

a) Classify computers according to the following criteria:
    (i) Data being handled
    (ii) Size, capabilities
    (iii) Purpose   **(9 marks)**

b) With the aid of a well labeled block diagram describe the functioning of the computer stating an example where applicable   **(11 marks)**

Question Two

a) Describe the following types of memories:
    (i) Cache memory
    (ii) Virtual memory
    (iii) Main memory   **(8 marks)**

b) (i) Outline the steps for adding bullets to a given text in Ms Word 2007   **(3 marks)**
    (ii) Differentiate between relative and absolute cell referencing   **(4 marks)**
    (iii) State any FIVE disadvantages of computer use in the society   **(5 marks)**

Question Three

a) Briefly describe the THREE components of processor   **(7 marks)**

b) Explain the following as applied to word processing:
    (i) Page orientation
    (ii) Indentation
    (iii) Word wrap   **(6 marks)**

c) Explain THREE uses of a mouse   **(6 marks)**

d) State any ONE function of an operating system   **(1 mark)**

Question Four

a) Explain FIVE application areas of computers in society   **(10 marks)**

b) Explain the following features of electronic spreadsheets:
    (i) Automatic recalculation
    (ii) What if analysis
    (iii) Conditional formatting
    (iv) Use of functions   **(8 marks)**

c) State any TWO application areas where spreadsheets can be used   **(2 marks)**

Question Five

a) Define the following terms:
    (i) Internet
    (ii) Protocol

      (iii)   Network   **(3 marks)**

b) State any THREE functions of an operating system   **(3 marks)**

c) (i) Highlight common features found in web browsers   **(3 marks)**
    (ii) Explain the parts that constitute the following e-mail address

        s-msafiri@gmail.com   **(2 marks)**

    (iii) Describe any THREE web services users of internet enjoy   **(6 marks)**

d) Describe POST (Power-On-Self-Test) with regard to booting   **(3 marks)**