TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF ELECTRICAL & ELECTRONIC ENGINEERING

DIPLOMA IN ELECTRICAL & ELECTRONIC ENGINEERING I (DEEE I)

EIT 2101: COMPUTER APPLICATIONS

END OF SEMESTER EXAMINATION
SERIES: OCTOBER 2014
TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
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) Define the following computer terms:
  (i) Computer
  (ii) Booting
  (iii) Program   **(3 marks)**

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

c) Explain any FOUR features of modern computers.   **(8 marks)**

Question Two

a) Briefly explain the following memory types:
  (i) Main memory
  (ii) Cache memory
  (iii) Virtual memory   **(11 marks)**

b) (i) Define word processing.   **(1 mark)**
   (ii) Explain any FOUR features of a word processor.   **(8 marks)**

Question Three

a) Define the following terms:
  (i) Software
  (ii) Drivers   **(2 marks)**

b) Describe the following classes of software:
  (i) System software
  (ii) Application languages   **(12 marks)**

c) Explain the different types of computer buses.   **(6 marks)**

Question Four

a) Outline the steps for adding bullets to a given text in Ms Word 2007.   **(3 marks)**

b) Differentiate between the following with regard to spreadsheets.
  (i) Relative and absolute cell referencing
  (ii) Formula and function   **(4 marks)**

c) Explain any FIVE features of spreadsheets.   **(10 marks)**

d) Outline the steps for merging adjacent cells.   **(3 marks)**

Question Five

a) Define the following computer terms:
  (i) Search engine

    (ii) Protocol
   (iii) Browser   **(3 marks)**

b) State TWO types of search engines, giving an example on each.   **(4 marks)**

c) State any THREE common features found in web browsers.   **(3 marks)**

d) Explain any FIVE services rendered by the internet.   **(10 marks)**