TECHICAL UNIVERSITY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN NUTRITION HEALTH
DIPLOMA IN COMMUNITY HEALTH
(DNH 12J/DCH 12J)

EIT 2182: COMPUTER APPLICATION

SPECIAL/SUPPLEMENTARY EXAMINATION
SERIES: FEBRUARY 2013
TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
You should have the following for this examination
- *Answer Booklet*

This paper consist of **FIVE** questions

Answer 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
SECTION A (COMPULSORY)

Question One (30 marks)

a) What is a computer machine?   **(2 marks)**

b) Give **THREE** advantages and disadvantages of a computer.   **(6 marks)**

c) What is an application package?   **(2 marks)**

d) List down **FOUR** font attributes you can change.   **(2 marks)**

e) Describe step by step how you would create a new Microsoft word file.   **(3 marks)**

f) List down the main components of a computer system and briefly describe the function of each.
                                                                       (10 marks)

g) What are the services offered by an operating system?   **(5 marrks)**

SECTION B (Answer Any Two Questions)

Question Two (20 marks)

a) Explain and give **THREE** examples of each of the following devices.
    i)   Input devices
    ii) Output devices
    iii) Storage devices   **(10 marks)**

b) List down **FIVE** characteristics of a computer machine and explain them briefly.   **(10 marks)**

Question Three (20 marks)

a) Define mail merging   **(2 marks)**

b) Give **TWO** advantages of mail merge over copy and pasting several times to mass mail a document.   **(2 marks)**

c) Name **FOUR** databases in the market today.   **(4 marks)**

d) Name **SIX** data types   **(6 marks)**

e) An agrovet company wants to analyze its employees personal details using Microsoft Excel. The company has five employees: Mary Anne, Francis Kihara, Lena Achieng, Hellen Wanjiku and Mwangi Petu. Their ages are 20, 45, 90, 45 and 34 years respectively. Many medical department, Mwangi Peter in Finance department, and Hellen Wanjiku in computer department Mary Anne and Hellen Wanjiku are single whereas Francis Kihara, Tena Achieng and Mwangi Peter are married.

    Construct a worksheet showing the above information. Use appropriate column headings.
                                                                       (6 marks)

Question Four (20 marks)

a) Explain the duties of the following:

i) Programmer
ii) Computer Technician
iii) Web Designer
iv) Computer Operation
v) Network Technician

b) Give the difference between a secondary and primary storage and an example of each.

(6 marks)

c) What is an operating system? **(1 mark)**

d) List and explain the **THREE** types of an operating system. **(3 marks)**

Question Five (20 marks)

a) Discuss the uses of computers in the following fields.
    i) Media
    ii) Hospitals
    iii) Supermarkets
    iv) Workshop
    v) Bank

b) Define the term software and give **THREE** characteristics of software. **(5 marks)**

c) What are some of the uses of a word application program? **(5 marks)**