

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

Instructions to Candidates:

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)