Machakos University College

(A Constituent College of Kenyatta University)

University Examinations 2013/2014

DEPARTMENT OF   COMPUTING AND APPLIED SCIENCE

Examination for Craft Certificate in Electrical Installation Module one

Information Communication Technology

Date: Tuesday 25ᵗʰ 2014   Time: 8:30-10:30 AM

Instructions: answer any five questions

Question ONE:

a) Draw a well labelled block diagram of digital computer   (8 marks)

b) State the **three** categories of peripheral devices giving an example in each case.   (6 marks)

c) State **two** types of secondary storage devices giving an example in each case.   (4 marks)

d) State **two** configuration specification to consider when acquiring a
computer system.   (2 marks)

QUESTION TWO.

a) State any **four** common types of disks used in computer storage   (2 marks)

b) Describe **five** units of measure in computer storage staring from the smallest   (5 marks)

c) Discuss any **four** reasons why employees resist the use of computers   (8 marks)

c) Outline the procedure of opening and saving a new Microsoft word file.   (3 marks)

d) Outline the procedure of setting a screen saver in a Microsoft windows 7

   operating system   (2 marks)

Question Three:

a) *Differentiate* the following terms in relation to computers:

    i.   Soft copy and Hard copy

    ii. Save and Save As

    iii. Moving and copying

iv. Cold boot and warm booting   (8 marks)

b) State **two** types of computer memory   (2 marks)

c) Explain the components of the **CPU**   (6 marks)

d) State any **four** *disadvantages* of computerization   (4 marks)

Question FOUR:

a) Explain the meaning of the following terms as used in computer security

   i.   Eavesdropping

   ii.   Biometrics

   iii. Audit trails

   iv.   Hacking   (8 marks)

b) Define the following terms

   i.   GIGO

   ii.   Computer security

   iii. virus

   iv.   Application software   (4 marks)

d) Describe any four computer crimes   (8 marks)

Question FIVE

a) Outline the procedure of creating a folder in Microsoft Windows 7 operating system   (2 marks)

b) Describe any **two** computer storage media   (4 marks)

c) Define the following ICT concepts

   i.   Computer

   ii.   Data

   iii. Information

   iv.   Multi media   (4 marks)

d) State any **two** external storage and **two** internal storage media   (4 marks)

e) Define the following memory storage concepts

i. Bit

ii. Byte

iii. Word

iv. Storage capacity

v. Mega byte

vi. Ram   (6 marks)

Question Six

a) Differentiate the following terms in relation to computers:

    i. Soft copy and Hard copy

    ii. Save and Save As

    iii. Moving and copying   (8 marks)

b) Describe the following types of computers

    i. Mainframe computers

    ii. Minicomputers

    iii. Microcomputers   (6 marks)

c) State any **three** advantages of computerization   (3 Marks)

d) State any **three** disadvantages of computerization   (3 Marks)

Question Seven

a) Define the term *port* as used in computer assembly   (2 marks)

b) State any **three** parts of interface   (3 marks)

c) Describe the **three** types operating system   (6 marks)

d) Describe any **three** functions of operating system   (6 marks)

e) Differentiate between application packages and user program and state an example

    for each application package.   (3 marks)

Question Eight

(a) Describe the following types of computers

    i. Mainframe computers

    ii. Minicomputers

    iii. Microcomputer   (6 marks)

(b) Explain any **four** reasons why a mobile phone is regarded as a computer   (4 Marks)

(c) Describe **four** computers as classified by Development/Age   (4 marks)

(d) List any **two** examples of input/output devices under the following categories

      i.Pointing devices

      ii.Scanning devices

      iii.Terminals   (6 marks)