



Machakos University College

ISO 9001:2008 Certified

[A Constituent College of Kenyatta University]

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

Examination for MUC Diploma in CIVIL/MECH/MVE/ELECTRICAL Module 1 INFORMATION COMMUNICATION TECHNOLOGY

Date: 15 /12/2014

Time: 11:00 – 1:00 pm

Instructions

Attempt question one in section A which is compulsory and any other two questions in section B.

SECTION A

QUESTION ONE (30 marks)

- a. Define the term Information Communication Technology [ICT]. [2 marks]
- b. Describe three ways in which computers are classified. [6 marks]
- c. Explain three applications of computers in the engineering industry. [6 marks]
- d. Outline three types of menus in respect to Microsoft Windows. [3 marks]
- e. Define the term word-processing software. [2 marks]
- f. Define the term, computer security. [1 mark]
- g. Distinguish a LAN from a MAN. [2 marks]
- h. Describe two computer networking hardware. [4 marks]
- i. Explain two applications of the INTERNET in the engineering industry. [4 marks]

SECTION B

QUESTION TWO (20 marks)

Explain the steps you would use to achieve the following in Microsoft Word.

- a. Apply drop cap [4 marks]
- b. Change case [4marks]
- c. Merge cells in a table [4 marks]
- d. Create a bulleted list [4 marks]
- e. Create text columns [4 marks]

QUESTION THREE (20 marks)

- a. Define the term computer virus. [2 marks]
- b. Identify four sources of computer virus spread. [4 marks]

- c. Identify three computer viruses and three computer anti-virus software. [6 marks]
- d. Describe the term operating system as used in ICT. [2 marks]
- e. Explain two computer security threats. [4 marks]
- f. Outline one control measure for each of the computer security threats identified in (e) above. [2 marks]

QUESTION FOUR (20 marks)

- a. Define the term data communication as used in ICT. [2 marks]
- b. Identify two types of visual display units. [2 marks]
- c. Distinguish between the term primary memory from the term secondary memory in relation to computers. [2 marks]
- d. Differentiate between the following pairs of ICT terms.
 - i. Twisted pair and optic fiber cable [2 marks]
 - ii. Application software and System software [2 marks]
 - iii. Arithmetic logic unit and control unit [2 marks]
 - iv. Intranet and Extranet [2 marks]
- e. Outline the function(s) of the following computer keyboard keys. [4 marks]
 - i. Backspace
 - ii. Home
 - iii. Esc
 - iv. Insert
- f. Explain the term spreadsheet as used in computing. [2 marks]

QUESTION FIVE (20 marks)

- a. Identify three parts of a window in relation to an operating system. [3 marks]
- b. Identify two parts of a dialog box in relation to an operating system. [2 marks]
- c. Distinguish between the following pairs of computer terms.
 - i. Mainframe computer and Microcomputer [2 marks]
 - ii. Analog computer and digital computer [2 marks]
 - iii. Printer and Plotter [2 marks]
- d. Meeli, a Machakos county architectural engineer would like to design a shopping mall for the county government. State two CAD software she can use. [2 marks]
- e. Outline two applications of word processing software. [2 marks]
- f. In the context of ICT, write the following abbreviations in full.
 - i. HDD [1 mark]
 - ii. DVD [1 mark]
 - iii. USB [1 mark]
 - iv. EEPROM [1 mark]
 - v. ASCII [1 mark]