



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)
University Examinations for 2014/2015 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

**SECOND SEMESTER EXAMINATION FOR CERTIFICATE IN ELECTRICAL AND
ELECTRONICS ENGINEERING**

**SECOND SEMESTER EXAMINATION FOR CERTIFICATE IN BUILDING AND CIVIL
ENGINEERING**

SCE 100: INFORMATION COMMUNICATION TECHNOLOGY

Date: 31/3/2015

Time: 8:30 – 10:30 AM

Instructions

Answer any **three** questions

Question one (Compulsory)

- a) Define the following terms as used in information technology.
 - i. Data
 - ii. Information
 - iii. Computer (6mark)
- b) Define the term computer system (2 marks)
- c) Describe any two components of the computer system. (6marks)
- d) Draw and label the block diagram of digital computer system clearly indicating the data flow and flow of controls (8marks)
- e) Differentiate the following terms in relation to computers:
 - i. Soft copy output and Hard copy output
 - ii. Save and Save As
 - iii. Moving and copying
 - iv. Cold boot and warm boot (8 marks)

Answer any **TWO** questions in this section

Question two

- a) State the meaning of the following terms
 - i. Font size
 - ii. Font colour
 - iii. Font style(6marks)

- b) Explain the function of the following shortcut keys:-
 - i. Ctrl+A
 - ii. Ctrl+S
 - iii. Ctrl+C(6 Marks)

- c) Explain three reasons why a mobile phone is regarded as a computer (6 marks)

- d) Outline two components of central processing unit. (2marks)

Question three

- a) Explain the following terms in connection with mouse usage
 - a. Clicking
 - b. Double clicking
 - c. Dragging
 - d. Scrolling(8 Marks)

- b) Describe three types operating system (6marks)

- c) Describe any three Network Topologies (6mark)

Question four:

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

- b) Describe the following types of computers
 - i. Mainframe computers
 - ii. Minicomputers
 - iii. Microcomputers(6 marks)

- c) Outline two types of secondary storage devices giving an example in each case. (2marks)

- d) Explain three specifications to consider when acquiring computer hardware. (6marks)

Question five:

- a) You have been requested to advice your manager on different computer software. Briefly explain the two classes of software. (4 marks)
- b) Highlight four basic components of a Desktop PC (4 Marks)
- c) Define the term peripheral device as used in computing (2 marks)
- d) Identify the parts labelled 1 to 10 in the following Microsoft word window. (10 marks)

