



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

FIRST SEMESTER EXAMINATION FOR DIPLOMA IN ELECTRICAL ENGINEERING
FIRST EXAMINATION FOR DIPLOMA IN BUILDING AND CIVIL ENGINEERING

SCE 100: INFORMATION COMMUNICATION TECHNOLOGY

Date: 2/4/2015

Time: 2:00 – 4:00 PM

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 advise 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)

