



MACHAKOS UNIVERSITY

University Examinations for 2017/2018

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR SECOND SEMESTER EXAMINATION FOR CERTIFICATE IN
PROCUREMENT

INFORMATION COMMUNICATION TECHNOLOGY

DATE: 4/12/2017

TIME: 8.30-10.30 AM

INSTRUCTIONS:

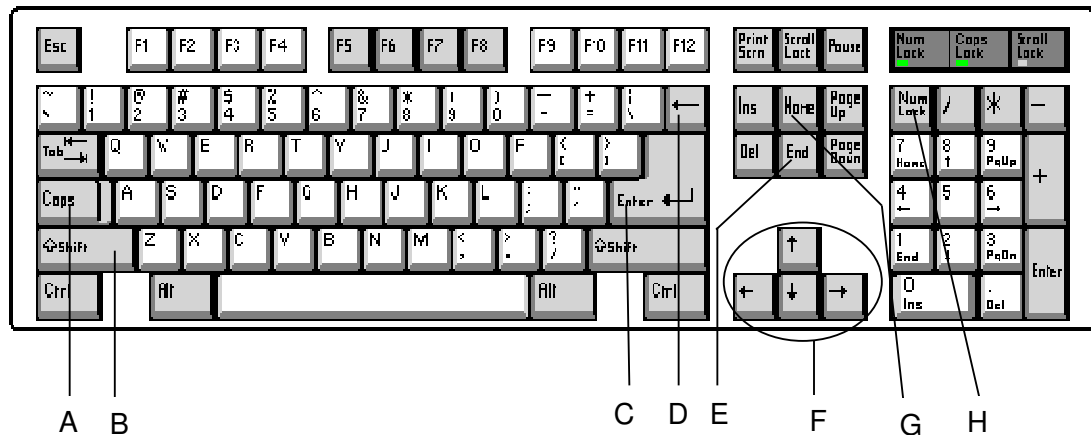
- A. This question paper has two sections (*ONE* and *TWO*)
- B. Answer a total of five questions
- C. Answer at least two questions from each section

SECTION ONE

1. a) By classification, match the computer peripheral hardware components listed below with the various categories of peripherals: (6 marks)

Peripheral category	Peripheral hardware device/medium
Input devices	Floppy disk, microphone, floppy disk drive, projector, mouse, VDU monitor, digital camera, printer, CD-R, speaker, flash memory, keyboard, CD-RW drive, hard disk, bar code reader, bank ATM card, graph plotter and scanner.
Output devices	
Secondary storage devices	
Secondary storage media	

- b) Explain the use of *any six* of the following keys labelled A to H on the picture of the computer keyboard below: (6 marks)



- c) Differentiate between the following terms as used in the computer hard disk drives (HDDs):
- a physical drive and a logical drive.
 - a master drive and a slave drive. (4 marks)
- d) State the differences between the following terms
- Optical media and Magnetic media.
 - Input devices and Output devices .
 - RAM and ROM. (6 marks)
- e) Explain any four signs of virus presence in a computer (4 marks)
- f) Explain the meaning of the following terms as used in *computer security*
- Eavesdropping
 - Biometrics
 - Audit trails
 - Hacking (4 marks)
2. a) Explain the different types of operating systems (6 marks)
- b) Explain any four application areas of a word processing package in a secondary school (4 marks)
- c) Classify the following software as either operating system or application software
MS windows, sage, novel, Linux, WordPerfect, Unix, Lotus 1-2-3, MS Access (4 marks)
- d) Explain any three Advantages of Manual processing over electrical (6 marks)
3. a) Explain in details the different computer treats (10 marks)
- b) Explain the differences between the following terms
- VDU and USB
 - CU and ALU

- iii. Soft copy and Hard copy (6 marks)
- c) Explain any **four** disadvantages of computers (4 marks)
- 4. a) Explain the components of the CPU (6 marks)
- b) Explain any **five** social implications of the introduction of computers to the modern society (5 marks)
- c) Purity was going through a document and saw the term *word processing*. As a computer expert explain to her its meaning (4 marks)
- d) Explain the components of a computer system (3 marks)
- e) Distinguish between *sabotage* and *hacking* as used in data security (2 marks)
- 5. a) Explain any four functions of operating system (4 marks)
- b) Explain the following functionalities of a mouse (2 marks)
- c) Highlight the function of the following shortcut keys as used in Microsoft word
 - i. Ctrl + I
 - ii. Ctrl+B
 - iii. Ctrl+z
 - iv. Ctrl+c (4 marks)
- d) Outline the process of changing the desktop background (4 marks)
- e) Explain the different types of CDs. (4 marks)