



MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR FIRST SEMESTER EXAMINATION FOR CERTIFICATE IN

HOSPITALITY AND TOURISM MANAGEMENT

COMPUTER APPLICATION

DATE: 31/7/2017

TIME: 8:30 – 10:30 AM

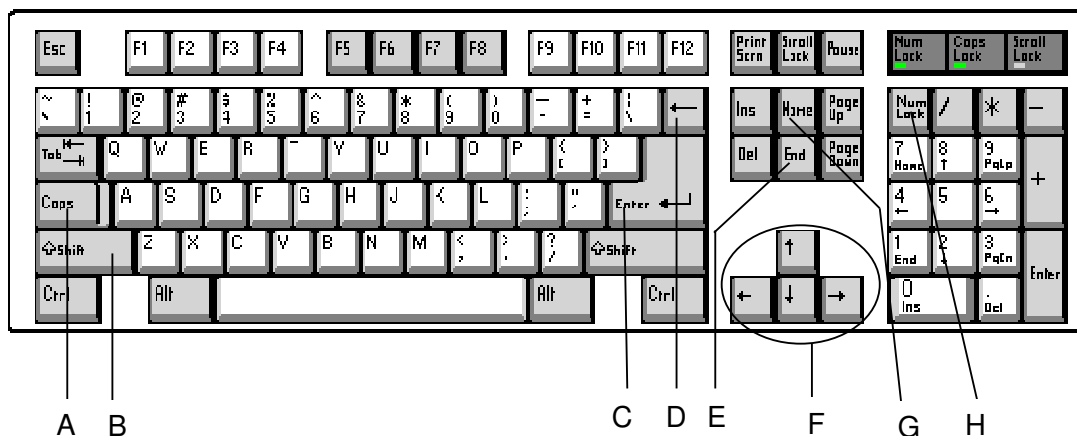
INSTRUCTIONS

Answer question One and any other two questions

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):
- (i) a physical drive and a logical drive.
 - (ii) RAM and ROM. (4 marks)
- (d) Define the following terms as used in information technology giving examples.
- i. Data
 - ii. Information
 - iii. Processing (3 marks)
- (e) Explain any **five** disadvantages of computers (5 marks)
- (f) list and explain the different types of computers (6 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) State three computers classified according to size (3 marks)
- (e) Explain the **two** types of *secondary storage media* giving an example in each case. (3 marks)
- 3 (a) Explain the meaning of the following terms as used in *computer security*
- i. Eavesdropping
 - ii. Biometrics
 - iii. cracking
 - iv. Hacking (4 marks)
- (b) Explain the mouse technique (4 marks)
- (c) Explain the meaning of the following terms as in ms word
- (i) Input device and Output devices
 - (ii) CU and ALU
 - (iii) Soft copy and Hard copy (6 marks)
- (d) Draw a well labelled block diagram of the digital computer (6 marks)
- 4
- a) Explain **three** reasons why a *mobile phone* is regarded as a computer (3 marks)
- b) Describe **three** types *operating system* (6 marks)

- c) Differentiate between *application packages* and *user program* and state an example for each package. (3 marks)
- d) State **two** types of *computer memory* (2 marks)
- (e) Explain the components of a computer system (3 marks)
- (f) Differentiate between computer hardware and computer software. (3 marks)
- 5 (a) List any four Output devices (4 marks)
- (b) Explain briefly the five main security threats (5 marks)
- (c) Describe the following types of computers
- i. Mainframe computers
 - ii. Minicomputers
 - iii. Microcomputers
- (d) State five factors to consider when buying a computer. (5 marks)