



THE TECHNICAL UNIVERISTY OF MOMBASA

# Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY  
(DICT 13J)

**ECS 2102: COMPUTER WORKSHOP PRACTICE**

END OF SEMESTER EXAMINATION

**SERIES: APRIL 2013**

**TIME: 2 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

This paper consists of **FIVE** questions. Attempt question **ONE** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

**Question One (Compulsory)**

- a) What is the use of the following devices? **(20 marks)**
- (i) Network cord
  - (ii) VGA cord
  - (iii) Modem
  - (iv) PCI slots
  - (v) RAM random access memory
  - (vi) USB port
  - (vii) System unit: Audio controllers
  - (viii) A mouse
  - (ix) A monitor
  - (x) Parallel port

b) Define a computer workshop lab **(2 marks)**

c) Outline any **EIGHT** general rules used in computer lab? **(8 marks)**

**Question Two**

a) Name and explain the use of any **SIX** peripherals attached to the computer. **(12 marks)**

b) List any logical security control measures. **(6 marks)**

c) What is the use of an optical drive? **(2 marks)**

**Question Three**

a) Name **THREE** basic types of printer. **(3 marks)**

b) Discuss any **THREE** factors to be considered to determine when to dispose computer equipment. **(5 marks)**

c) Explain the following data security threats: **(12 marks)**

- (i) Time bombs
- (ii) Spy ware
- (iii) Worms
- (iv) A virus
- (v) Denial of service (DOS)
- (vi) Hackers

**Question Four**

a) What is power management and statics surge protectors. Giving **FIVE** examples. **(8 marks)**

b) What do you understand by the following terms: **(8 marks)**

- (i) Power black out
- (ii) Power brow out
- (iii) Power surge
- (iv) Power spike

c) What do you understand by the following terms as used in computer security? **(4 marks)**

- (i) Antivirus
- (ii) Physical security

**Question Five**

- a) What is fire safety and explain the **THREE** classes of fire extinguisher. **(10 marks)**
- b) What is ergonomics and explain how is applied in computer worksheet. **(10 marks)**