



TECHNICAL UNIVERISTRY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA INFORMATION COMMUNICATION TECHNOLOGY (DICT 15J/-EV)

ECS 2102: COMPUTER WORKSHOP PRACTICE

END OF SEMESTER EXAMINATION

SERIES: APRIL 2015

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions.

Attempt question **ONE (Compulsory)** and any other **TWO** questions

Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages

Question One (Compulsory)

- a) What is the meaning of computer workshop and give FIVE general risks of a workshop (5 marks)
- b) Explain power management and static protectors and list FIVE of prevention (5 marks)
- c) Give FIVE control measures each for logical security and physical security (10 marks)

Question Two

Differentiate between the following terms:

- a) Computer hardware and computer software
- b) Operating system and application programs
- c) Random access memory and read only memory
- d) Disk formatting and disk partition
- e) Graphical user interface and textual user interface (20 marks)

Question Three

- a) What are electric static charge in workshop and three ways of avoiding the remedies it cause to electronic components (5 marks)
- b) Differentiate the following and give an application in each case: (5 marks)
 - (i) RAM
 - (ii) ROM
- c) What is the use of the following devices (10 marks)
 - (i) Video card
 - (ii) Network interface card
 - (iii) USB port
 - (iv) HDMI port
 - (v) Audio controllers

Question Four

For optical performance of a computer prevent maintenance in paramount, required:

- a) Explain the term “preventive maintenance” (5 marks)
- b) Identify any FOUR important tasks performed by preventive maintenance (5 marks)
- c) List any FOUR benefits of preventive maintenance to individual user and organization (5 marks)
- d) Tasks manager disabled find solution (5 marks)

Question Five

- a) What precaution should be taken when handling the following computer equipments: (10 marks)
 - (i) When opening computer casing
 - (ii) When opening monitor
 - (iii) Replacing computer processor and RAM
 - (iv) Cleaning computer mother board
 - (v) Working on optical drive

b) What is fire safety and explain the THREE classes of fire extinguisher

(10 marks)