



TECHNICAL UNIVERSITY OF MOMBASA

INSTITUTE OF COMPUTING AND INFORMATICS

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:

DICT/MAY/2019

ECS 2102: COMPUTER WORKSHOP PRACTICE

END OF SEMESTER EXAMINATION

SERIES: AUGUST 2019

TIME: 2 HOURS

DATE: Pick Date Aug 2019

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

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

Do not write on the question paper.

Question ONE (30 marks)

- Explain any **five** computer viruses. (5 marks)
- State and explain **four** classes of fire extinguishers. (8 marks)
- Distinguish between ESD and EMI. Give a suitable example on each. (6 marks)
- Explain **six** general computer rules, behavior and practice (6 marks)
- State and explain **five** power fluctuations that can cause loss of data or damage hardware. (5 marks)

Question TWO (15 marks)

- Describe **three** computer lab design and explain **two** advantages and disadvantages of each. (10 marks)
- Explain **five** future job opportunities available for a student with computer workshop practices skills. (5 marks)

Question THREE (15 marks)

- a) State and explain **five** safe equipment disposal methods. **(5 marks)**
- b) Name and explain any **five** computer disk management tools **(10 marks)**

Question FOUR (15 marks)

- a) Discuss any five disadvantages of computer workshop skills in the society. **(10 marks)**
- b) State and explain any five hand tools found in a computer workshop. **(5 marks)**

Question FIVE (15 marks)

- a) Explain lab security and controls of the following: **(10 marks)**
 - i. Computer viruses
 - ii. Unauthorized access
 - iii. Theft
 - iv. Fire
- b) You are a computer tech savvy at Alif Baa Company. Your supervisor has reported to you with the following exhibit. Briefly explain how to troubleshoot the computer issue. **(5 marks)**



A disk read error occurred
Press Ctrl+Alt+Del to restart