THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION TECHNOLOGY (DIT 2K – 12J)

EIT 2103: COMPUTER WORKSHOP PRACTICE

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: MAY/JUNE 2012
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
- *Answer Booklet*

This paper consist of **FIVE** questions
Answer any **THREE** questions. Question **ONE** is Compulsory
Maximum marks for each part of a question are as shown
This paper consists of **THREE** printed pages

Question One (Compulsory - 30 Marks)

a) (i) Describe **FIVE** common security threats faced by an organization's computer-based Information system   (10 marks)

   (ii) Explain **FIVE** techniques that a company can employ in reducing the threats in (a) above   (10 marks)

b) Safety rules learned in the computer lab can also be applied to the home environment to make home computer use safer for the entire family. These rules are categorized with regard to activity. Highlight TWO rules in each of the following categories:
   i.   Dust/Dump Control
   ii.   Ventilation and Lighting
   iii. Equipment Safety
   iv.   Safe Lab Layout Design
   v.   General Rules

Question Two (20 marks)

The following are the most common computer problems. Highlight a technical solution(s) to each one of them.   (20 marks)

a) When I restart my PC, I get an error message: "Windows/System32/config/system" file missing or corrupt
b) A message pops up saying you "have run out of disk space on your computer"
c) My computer spontaneously reboots itself or turns off
d) The screen comes on OK when booting but gets unreadable when in Windows
e) The performance of my computer has slowed

Question Three (20 marks)

a) State and explain **FIVE** factors to be considered when selecting an input facility for a computer system.   (10 marks)

b) Assuming that you are working as a Director of ICT, briefly describe the procedure that you will take when procuring a computer for a new employee in your department   (10 marks)

Question Four (20marks)

a) State and explain **FOUR** factors to be considered when disposing computer equipments
                                                                                                      (8 marks)
b) Explain any **TWO** methods of disposing computer equipments   (4 marks)

c) Explain why necessary movement is not allowed in the computer lab   (2 marks)

d) State and explain **THREE** main functions of a UPS   (6 marks)

Question Five (20 marks)

a) State and explain any **THREE** types of active attacks   (6 marks)

b) Name and explain any **FOUR** basic categories of viruses (8 marks)

c) Explain in details how someone will get "mspaint.exe" or "notepad.exe." file, back after it has been accidentally deleted. (6 marks)