

# **THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE**

**FACULTY OF ENGINEERING &TEHNOLOGY**

**Department of Computer Science & Information Technology**

**CERT IN COMPUTER NETWORKING & MAINTENANCE - CMNT2K11M**

**Computer Workshop Practice (MAIN PAPER)**

**CODE: ECT 1113**

**Time 2 Hours**

## **Instructions**

**Answer ALL Questions in SETION A**

**Answer TWO other Questions in SETION B**

**SECTION A**

### **QUESTION 1 (COMPULSORY)**

- a) Distinguish what computer hackers and crackers are? (4marks)
- b) Name any four computer lab tools and equipment found in the maintenance tool kit (4marks)
- c) List any four general rules in a computer lab (4mks)
- d) Name the four factors to be considered when we want to safe dispose computer equipments (4marks)
- e) What is RAID5? (2marks)
- f) What is a computer virus (2marks)

### **SECTION B**

#### **QUESTION 2**

- a) Name the six threats found under the category of deliberate threats to computer equipments(6marks)
- b) List the five categories of safety measures in the computer equipments (5marks)
- c) Give any of the solutions to enable a Task Manger in Windows XP (4marks)

#### **QUESTION 3**

- a) Name any Four illegal uses in the lab as per the rules of the lab (4marks)
- b) Under the computer basic components, name Five components found in the motherboard (5marks)
- c) List any 6 logical security control measures (6marks)

#### **QUESTION 4**

- a) Define the following terms
  - i) Information security
  - ii) Data security
  - iii) Data privacy
  - iv) Viruses (8marks)
- b) List the Three technical failures causing threats to data and how to prevent them (6marks)
- c) Name and explain any Three disposal methods of computer equipment and tools (3marks)

**QUESTION 5**

a) Explain the following Data security threats

- i Phishing
- ii Zombies
- iii Worms
- iv Denial of Service (DOS)
- v Hackers

(10 Marks)

b) State the five physical security control measures (5mks)