EIT 1132: Computer Lab Practice

Instructions:
Attempt Question One and any other Two Questions
Time 2 Hours

Question One
   a) Define the following terms as used in computing
      i. Troubleshooting
      ii. Computer Security
      iii. Threats
      iv. Peripheral devices
                                                                          (8mks)
   b) As a matter of fire safety measures, a computer lab/workshop premises needs a fire extinguisher installed within. Briefly explain the three categories of fire extinguisher classes used for fire safety.   (6 Marks)
   c) Explain 4 components of the computer systems motherboard (8 Marks)
   d) Outline at least 3 troubleshooting and solution steps when the system behaviour listed is observed

      i   The monitor screen is shaking

      ii   The Keyboard does not respond

      iii When you start the computer, you get error message: "Windows\System32\config\system" file missing or corrupt   (8 Marks)

   Question Two
   a) Define the term ergonomics and hence state any two factors of concern for a Computer user.   (4 Marks)
   b) Briefly explain any 2 factors to consider before disposing off electronic equipment   (4 Marks)
   c) Explain any 3 methods of electronic equipment disposal
                                                                          (6 Marks)
   d) Discuss three ways of controlling Viruses in a computer workshop
                                                                          (8mks)

   Question Three
   a) A Diploma student wanted to format a Flash disk in the computer lab and instead, the message: "Cannot format this media! Access Denied". Explain what could be the cause of this failure.   (2 Marks)
   b) Describe how you can take safety measures in computer lab when

i. Opening a computer.

ii. A computer lab is on fire

iii. Natural calamities occur **(6mks)**

c) After completion of you study you secure a job as a technician in one of the local university in Mombasa. One of the key things which you are required to submit to the management is the Computer lab policy. In detail design a computer lab policy document containing the rules and regulation for all users. **(12mks)**

Question Four

a) What are the functions of UPS **(4mks)**

b) What are the functions of a computer lab in an organization **(3mks)**

c) How can you troubleshoot

i. A printer which is not printing

ii. A monitor which is not displaying **(4mks)**

d) What do you require to connect to the internet **(6mks)**

e) What is a viruses? Give one source and how you can prevent viruses in a computer lab **(3mks)**

Question Five

a) Give examples of threat under the following endings and give strategies which you can use to prevent them
   i. Deliberate threats
   ii. Accidental threats
   iii. Technical threats (12mks)

b) Discuss 4 desired qualities of a good technician (8mks)