

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2014/2015**

**YEAR I SEMESTER II EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS INFORMATION TECHNOLOGY**

**BIT 2223: INSTALLATION AND CUSTOMIZATION**

**DATE:AUGUST 2015 TIME: 2 HOURS:**

**INSTRUCTIONS: Answer question one (compulsory) and any other two questions.**

**QUESTION ONE**

a. Explain the difference between the following terms. (4 marks)

 i. Random Access memory and Read only memory.

 ii. System Software and Application Software.

b. Discuss six functions of virtual memory. (6 marks)

c. Define and state the function of the following:

 i. CPU

 ii. keyboard,

 iii. UPS

 iv. Hard disk

 v. Motherboard

 vi. Card Slot. (6 marks)

d. State the alternatives ways in which one could protect motherboard components from static. (4 marks)

e. List four types of operating systems. (2 marks)

f. Explain how caching improve system performance. (4 marks)

g. List two ways in which an operating system can be installed in a computer.

 (2 marks)

h. Describe how you will check processor speed on window 7. (2 marks)

**QUESTION TWO (20 MARKS)**

a. State and describe five tools to be found in any technicians tool kit. (5 marks)

b. Outline any five precautions to be observed in a system maintenance workshop.

 (5 marks)

c. Outline the difference between the following set of terms

 i. Blos and super 1/0

 ii. Clock generator and RTC

 iii. Logic proble and hermostat.

 iv. (MOS set up and (MOS battery.

 v. DRAM nad SRAM.

**QUESTION THREE (20 MARKS)**

a. Describe the importance of the following system files

 i. Config.sys

 ii. Auto-exce-BAT

 iii. Command. com

b. Discuss the functions of an expansion bus/slot. (4 marks)

c. Discuss any two reasons that are main causes of a system resource hardware conflict.

 (6 marks)

d. List any four types of expansion buses. (4 marks)

**QUESTION FOUR (20 MARKS)**

a. List five ways you can use to solve hardware conflicts. (5 marks)

b. Lit five input and output devices in a computer. (5 marks)

c. Explain what you understand by the following terms.

 i. Computer software

 ii. Data and information.

 iii. Bit and byte. (6 marks)

d. Explain four functions of operating system (4 marks)