

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

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2015/2016**

**YEAR 1 SEMESTER II EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE INFORMATION TECHNOLOGY**

**BIT 2223: INSTALLATION AND CUSTOMIZATION**

**DATE: August 2016 TIME: 2 HOURS**

**INSTRUCTIONS: Answer Question One and Any Other Two Questions**

**QUESTION ONE (30 MARKS)**

1. Describe the meaning of the term motherboard form factor (3marks)
2. Explain ways on how to protect computer against virus attacks (6marks)
3. Explain any four functions/roles of an Expansion bus (4marks)
4. John has just received an error message “Abort; Retry, Fail” when trying to read a file from his floppy drive. What is the most likely cause of the error? (4marks)
5. Describe three benefits of Disk partitioning (3marks)
6. Explain the roles of
7. Defragmentor (4marks)
8. Scan disk (4marks)
9. What is a computer virus? (2marks)

**QUESTION TWO (20 marks)**

1. Explain ways of solving hardware conflicts (10marks)
2. In the booting process the following terms are normally referred to:
3. Bios
4. POST
5. CMOS

Briefly discuss the functions of each in respect to the process (10marks)

**QUESTION THREE (20 marks)**

1. List and explain five ways you can use to perform bask computer systems maintenance (10marks)
2. What are the rules and regulations one must follow while in the computer lab and when repairing a computer in the lab? (10marks)

**QUESTION FOUR (20 marks)**

1. Distinguish between typical and custom installation (4marks)
2. Suggest any three ways of increasing the available computer memory (3marks)
3. State the minimum system requirements for installing Windows 7 operating system on a computers (8marks)
4. Explain five requirements that must be addressed before installing a new drive in a computer. (5marks)