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**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2015/2016**

**FIRST YEAR FIRST SEMESTER EXAMINATION FOR THE**

**DEGREE OF BACHELOR OF SCIENCE IN ACTUARIAL SCIENCE**

**ICS 2107: INTRODUCTION TO INFROMATION TECHNOLOGY**

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

**INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER**

**TWO QUESTIONS**

**QUESTION ONE**

1. Identify any Six major components of a digital computer

system, explaining contribution of each to the overall

performance of the system . [12 marks]

1. Differentiate between:
2. Digital and Analogue Computer [4 marks]
3. System software and application software [4 marks]
4. Explain any FIVE facilities offered by a spreadsheet program. [10 marks]

**QUESTION TWO**

1. Differentiate between:
2. ROM and RAM [2 marks]
3. PROM and EPROM [2 marks]

1. Explain THREE differences between primary memory

and registers. [6 marks]

1. Outline any FOUR indicators of virus infection in a

computer system. [6 marks]

1. Explain what you understand by computer coding. [2 marks]
2. In relation to magnetic disks, explain the following:
3. Track [2 marks]
4. Sector [2 marks]

**QUESTION THREE (20 MARKS)**

1. Differentiate between system and application software. [4 marks]
2. State any SIX functions of operating system. [6 marks]
3. Explain briefly any FIVE utility programs in a digital

computer system. [10 marks]

**QUESTION FOUR (20 MARKS)**

1. Describe the following terms as used in spreadsheet programs: [4 marks]
2. Cell
3. Range
4. Worksheet
5. Workbook
6. State with reasons any FOUR application areas of spreadsheet. [4 marks]
7. In word processing differentiate between:
8. Editing and formatting a document. [2 marks]
9. Moving and copying a text. [2 marks]
10. Describe the procedure followed when inserting tables

in MS word. [4 marks]

1. Explain the following proof reading features:
2. Thesaurus [2 marks]
3. Auto-correct [2 marks]