

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

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

# **UNIVERSITY EXAMINATIONS 2014/2015**

**FIRST YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH**

**ICS 2100: INTRODUCTION TO COMPUTER SCIENCE SYSTEM**

**DATE: DECEMBER 2014 TIME: 2 HOURS**

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

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**QUESTION ONE**

1. You have been asked to give a talk on how to classify laptops. What classification would you include in your talk? [6 marks]
2. What advantages existed in third generation over 2nd generation computers? [6 marks]
3. What is an application software? Give six examples [6 marks]
4. What are the functions of system software? [6 marks]
5. (i) Convert from binary to hexadecimal -011001102 [2 marks]

(ii) convert 51138 to binary [2 marks]

(iii) Convert 10616 to octal [2 marks]

ANSWER ANY TWO QUESTION S

**QUESTION TWO**

1. What are the advantages of a bus network over star topologies? [4 marks]
2. What makes you suspect that your computer has viruses? [6 marks]
3. Explain the use of computers in business [4 marks]
4. Differentiate between a logic bomb, worm and Trojan horse [6 marks]

**QUESTION THREE**

1. What are the effects of computer viruses? [ 7 marks]
2. Explain how information system are applied in a logistics industry [8 marks]
3. How is the keyboard subdivided? [5 marks]

**QUESTION FOUR**

1. You want to deploy a new information system in your company. What issues would you need to address before the deployment? [10 marks]
2. What makes a computer a good tool for processing information? [10marks]

**QUESTION FIVE**

1. What is computer ethics? [2 marks]
2. What actions would you consider as computer abuse and misuse? [8 marks]
3. A computer has negative impacts to the society. Explain. [10 marks]