

 W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2013/2014**

**YEAR I SEMESTER I EXAMINATION FOR THE DIPLOMA IN INFORMATION TECHNOLOGY**

**DIT 0101: INTRODUCTION TO COMPUTERS**

**DATE: DECEMBER 2013 TIME: 1 ½ HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

**QUESTION ONE**

1. Explain the following terms:
2. Computer
3. Program
4. Data
5. Information [8 marks]
6. Explain FOUR characteristics of first generation computer [2 mark]
7. Explain FOUR characteristics of super computer [2 marks]
8. State and explain FOUR functions of the C.P.U. [4 marks]
9. Explain difference between digital and analogue computer [4 marks]

**QUESTION TWO**

1. State and explain factors that you will consider before purchasing a computer [4 marks]
2. State and explain the difference between:
3. Primary memory and secondary memory
4. Register and cache memory
5. Processor and micro processor
6. Static RAM and dynamic RAM [8 marks]

(c) Explain categories of software [6 marks]

**QUESTION THREE**

(a)(i) Explain units of computer interaction diagram [8 marks]

 (ii) What is a computer virus [2 marks]

 (b) What are areas that human being will excel more than computers use example to justify

 your answers [5 marks]

(c) Explain some of utilities programs that are useful in computer [5 marks]

**QUESTION FOUR**

1. Explain important of using computerization system them a manual system [5 marks]
2. Explain function of operating system [5 marks]
3. State and explain the difference between disk and CISC computer Instruction set [5 marks]
4. What is a computer virus and how are they affect the computer systems. Explain their remedies. [5 marks]