



*(Knowledge for Development)*

**KIBABII UNIVERSITY**

**(KIBU)**

**UNIVERSITY EXAMINATIONS  
2015/2016 ACADEMIC YEAR**

**END OF SEMESTER EXAMINATIONS  
YEAR ONE SEMESTER ONE EXAMINATIONS**

**FOR THE CERTIFICATE IN SCIENCE  
(INFORMATION TECHNOLOGY)**

**COURSE CODE : ITC 010**

**COURSE TITLE : INTRODUCTION TO ICT**

**DATE: 29/04/2016**

**TIME: 8.00AM -10.00A.M**

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**INSTRUCTIONS TO CANDIDATES**

**ANSWER QUESTIONS ONE AND ANY OTHER TWO.**

**QUESTION ONE (COMPULSORY) [24 MARKS]**

- a. Write brief notes on the following types of computers **[10 marks]**
- i. Microcomputers
  - ii. Mainframe computer
  - iii. Analogue computer
  - iv. Notebooks
  - v. Supercomputers
- b. Using suitable examples differentiate between
- i. RAM and ROM
  - ii. BIT AND BYTE **[8 marks]**
- c. State any six differences between the early computer systems of 1930-1970's and the modern computer systems in use today. **[6 marks]**

**QUESTION TWO [18 MARKS]**

- a. Using suitable diagram describe the physical components that make up a modern computer system. **[10 marks]**
- b. With the help of suitable examples, describe briefly the function of each of the components named. **[8 marks]**

**QUESTION THREE [18 MARKS]**

- a. Define the following term secondary storage device? **[2 marks]**
- b. Briefly describe two types of magnetic storage device **[4 marks]**
- c. Computers have evolved through many generations over the years. State and explain the five generations the computers have evolved through. **[5 marks]**
- d. Explain two types of computer software **[4 marks]**
- e. Outline two components that influence the performance of a computer system. **[3 marks]**

**QUESTION FOUR [18 MARKS]**

- a. Define the term "data communication" and state its importance **[4 marks]**
- b. Describe the three different types of cables that are used in data communication. **[6 marks]**
- c. Distinguish between the following technologies **[8 marks]**

**QUESTION FIVE [18 MARKS]**

- a. Briefly describe the following network concept **[4 marks]**
- b. State any THREE factors you should consider when selecting a site to install computers and explain briefly why they are important. **[6 marks]**
- c. State and explain any five characteristics of a supplier you should avoid **[8 marks]**