



(Knowledge for Development)

KIBABII UNIVERSITY

(KIBU)

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

**SPECIAL/SUPPLEMENTARY EXAMINATIONS
YEAR ONE SEMESTER ONE EXAMINATIONS**

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

**COURSE CODE : ITC 010
COURSE TITLE : INTRODUCTION TO ICT
ESSENTIALS**

DATE: 25/07/2022

TIME: 11.00 A.M. – 1.00 P.M.

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE (COMPULSORY) [24 MARKS]

- a) Briefly describe the following types of computer [4marks]
- i. Super computer
 - ii. Microcomputer
 - iii. Laptop
 - iv. Mainframe computer
- b) Differentiate between RAM and ROM [4marks]
- c) Explain the main units of the central processing unit (CPU) giving their functions [6marks]
- d) Computers have evolved through many generations over the years. State and explain the six generations the computer have evolved through. [6marks]
- e) Text can be aligned in different ways to improve the appearance of a document. State two different kinds of paragraph alignment and for each give an example of its use [4marks]

QUESTION TWO [18MARKS]

- a) Describe five secondary computer storage devices [5marks]
- b) Explain the two types of computer software [4marks]
- c) Explain two functions of an operating system [4marks]
- d) Give five symptoms of computer viruses [5marks]

QUESTION THREE [18MARKS]

- a) Describe any five fields in which computer knowledge is applied [5marks]
- b) State and explain FOUR advantages of using computers [8marks]
- c) Describe how you will create a folder named ITC 010 on desktop and transfer a document stored in a flash to the created folder. [5marks]

QUESTION FOUR [18 MARKS]

- a) An operating system executes many functions to operate efficiency. Explain four of its essential functions [4marks]
- b) Write brief notes on different types of network topologies and stating their examples.

- [8marks]**
- c) There are various ergonomics and health effects associated with the use of laptops. Cite any four. **[4marks]**
- d) what is the difference between hardware and software **[2marks]**

QUESTION FIVE [18MARKS]

- a) Describe the preparations made before setting up a new computer system **[5marks]**
- b) When acquiring an office computer system, state 4 key factors that will be considered when selecting between the various dealers who have submitted tenders **[5marks]**
- c) What is a network operating system **[2marks]**
- d) During supplier evaluation, which attributes should be given preference in the event suppliers die. **[6marks]**