



(Knowledge for Development)

KIBABII UNIVERSITY
(KIBU)

UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR

SUPPLEMENTARY/SPECIAL EXAMINATIONS
FIRST YEAR FIRST SEMESTER
FOR DIPLOMA
(INFORMATION TECHNOLOGY)

COURSE CODE : **DIT 050**
COURSE TITLE : **IT ESSENTIALS**

DATE: 31/07/2023

TIME: 11.00 AM – 1.00 P.M

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE (COMPULSORY) [24 MARKS]

- a. Define the following [5 marks]
 - i. Computer
 - ii. Data
 - iii. Information
 - iv. Peripheral device
- b. Discuss 4 advantages of computers [8 marks]
- c. Discuss the difference between [8 marks]
 - i. RAM and Rom
 - ii. Distribute operating system and Network operating system
- d. Booting is essential whenever the system is locked or switched-off. Explain two ways of booting [3 marks]

QUESTION TWO [18 MARKS]

- a. Define computer system [2 marks]
- b. Discuss the generation of computers [10 marks]
- c. Discuss input/ output system and give examples [6 marks]

QUESTION THREE [18 MARKS]

- a. What is a computer virus [2 marks]
- b. Explain the difference between *system software* and *application software* [4 marks]
- c. Highlight two major difference between compiler and interpreter [4 marks]
- d. What is the difference between hardware and software [2 marks]
- e. Explain various measures you will take to secure your personal computer from security **threats** [6 marks]

QUESTION FOUR [18 MARKS]

- a. Discuss any 5 salient features of Windows Operating system [10 marks]
- b. There are many different operating systems, highlight 4 that you know and explain the difference [8 marks]

QUESTION FIVE [18 MARKS]

- a. Define the following [2 marks]
 - i. Network
 - ii. Internet
- b. Discuss the difference between LAN, MAN and WAN [3 marks]
- c. Internet connections helps us in various ways. Highlight five ways [5 marks]
- d. Discuss 4 requirements for connecting to the internet [8 marks]