



(Knowledge for Development)

# **KIBABII UNIVERSITY (KIBU)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**SPECIAL/SUPPLEMENTARY EXAMINATION**

**FIRST YEAR FIRST SEMESTER EXAMINATION**

**FOR THE DIPLOMA IN**

**(INFORMATION TECHNOLOGY)**

**COURSE CODE: DIT 053**

**COURSE TITLE: INTERNET APPLICATION**

**DATE: 22/07/2022 TIME: 11.00 A.M. – 1.00 P.M. 2HRS**

**INSTRUCTIONS TO CANDIDATES:**

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

Paper Consists of 2 Printed Pages. Please Turn Over ➔

**QUESTION ONE [24 MARKS]**

- a. Discuss the three types of networks.
- b. Discuss the impacts of the internet in various sectors.
- c. Human beings can hardly do without and internet, discuss.

6mks  
12mks  
6mks

**QUESTION TWO [18 MARKS]**

- a. State and explain the layers of TCP/IP model.
- b. Define the term protocol suite and state its roles.

10mks  
8mks

**QUESTION THREE [18 MARKS]**

- a. What is network topology and explain any four network topologies.
- b. List the uses of an internet.
- c. Give the two networking models and state their comparison.

10mks  
5mks  
3mks

**QUESTION FOUR [18 MARKS]**

- a. State the applications of an internet.
- b. Sketch and explain the following network topologies.

Star  
Ring  
Tree

10mks  
8mks

**QUESTION FIVE [18 MARKS]**

- a. There are some applications which can only work when there is an internet, discuss any five of these applications.
- b. Discuss how an e-mail works.

10mks  
8mks