



(Knowledge for Development)

KIBABII UNIVERSITY (KIBU)

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
END OF SEMESTER EXAMINATION**

2021/2022 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATION

FOR THE DIPLOMA IN

(INFORMATION TECHNOLOGY)

COURSE CODE: DIT 053

COURSE TITLE: INTERNET APPLICATIONS

DATE: 27/05/2022

TIME: 9.00 A.M. – 11.00 A.M.

2HRS

INSTRUCTIONS TO CANDIDATES:

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

Paper Consists of 2 Printed Pages. Please Turn Over ►

QUESTION ONE [COMPULSORY] (24 MARKS)

- a. Define the following terms. (2mks)
Internet
Internet applications
- b. State and explain the areas where internet has been applied. (10mks)
- c. Internet has both positive and negative effects. Discuss (12mks)

QUESTION TWO [18 MARKS]

- a. State and explain any four uses of an internet. (8mks)
- b. Explain the usefulness of the internet used in the following. (10mks)
- i. Video conferencing
 - ii. E-commerce
 - iii. Research
 - iv. Travel
 - v. Internet telephony

QUESTION THREE [18 MARKS]

- a. Define the term communication protocol and state its roles. (10mks)
- b. Briefly discuss the types of networks. (8mks)

QUESTION FOUR [18 MARKS]

- a. Using diagram where possible discuss the network topologies. (10mks)
- b. Explain the internet applications. (8mks)

QUESTION FIVE [18 MARKS]

- a. Differentiate between OSI model and TCP/IP model. (4mks)
- b. Draw and discuss the layers of the OSI model. (14mks)