



*University of Choice*

**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY**

**(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS  
2022/2023 ACADEMIC YEAR**

**FOR THE DIPLOMA**

**IN**

**INFORMATION TECHNOLOGY**

**COURSE CODE: DIT 053**

**COURSE TITLE: INTERNET APPLICATIONS**

**DATE: 11/04/2023**

**DATE: 8:00-9:30AM**

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**INSTRUCTIONS TO CANDIDATES**

**Answer Questions ONE and ANY OTHER TWO.**

**TIME: 1 HOUR 30MINS**

**MMUST observes ZERO tolerance to examination cheating**

**This Paper Consists of 3 Printed Pages. Please Turn Over.**

## QUESTION ONE (24MKS)

a. What do you understand by the following terms:

- i) Internet [2mks]
- ii) Web browser [2mks]
- iii) DNS [2mks]
- iv) Absolute URL [2mks]

b. CSS stands for Cascading Styles Sheets. It describes how HTML elements are to be displayed on the screen, paper or in other media. CSS can be added to HTML elements in 3 ways. Name and briefly describe the three ways. [6mks]

c. Write a basic template for a HTML document page [6mks]

d. State and explain any four uses of the internet. [4mks]

## QUESTION TWO (18MKS)

a. What do you understand by the term computer virus? [2mks]

i) Name at least 5 computer viruses that are globally known. [3mks]

b. The internet has become the most popular and influential medium in the world. It is the biggest source of information, communication and advertising. Despite the many advantages it offers, there are also some limitations in using the internet. State and elaborate four disadvantages of the internet. [8mks]

c. While technology changes at a rapid pace, so do internet connections. The type of internet connection will determine how much time is spent for uploading or downloading. State five ways in which one can connect to the internet. [5mks]

### QUESTION THREE (18MKS)

- a. Write a simple WEB page using html, the webpage should include the following:
- Header 1 reading “[ **Introduction to internet applications** ]”
  - Two paragraphs, paragraph one reading “**this is the first paragraph of the webpage**” the second paragraph reads “**this is the second paragraph of the webpage**”
  - Horizontal line** separating the header and the paragraphs.
  - Two links, one reading “**next page**” and the other one reading “**previous page**”
  - One image with width 200 pixels and height 100 pixels.

### QUESTION FOUR (18 MKS)

- Emails are an important tool in organizations and for personal use. It is purposely used for communications. Describe the process of sending an email indicating the major components of the email. [10mks]
- Briefly describe what you understand by the client server model [4 mks]
- Give the domain name www.exampledomain.com ,indicate the different parts of the domain. [4mks]

### QUESTION FIVE (18 MKS)

- Define a URL. [2mks]
- What does ISP stand for and what purpose does it majorly serve [4mks]
- Outline four features of a web browser. [4mks]
- The TCP/IP is the conceptual model and set of communications protocols used in the Internet and similar computer networks. Draw a well labelled diagram of the TCP/IP model. [8mks]

