



(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS

UNIVERSITY SPECIAL/SUPPLEMENTARY EXAMINATIONS
2021/2022 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DIPLOMA
IN
INFORMATION TECHNOLOGY

COURSE CODE: DIT 053

COURSE TITLE: INTERNET APPLICATIONS

DATE: Monday 1/08/2022

TIME: 8:00a.m-9:30a.m

INSTRUCTIONS TO CANDIDATES

Answer Question ONE (1) and ANY OTHER TWO questions

TIME: 1 Hour 30 Minutes

MMUST observes ZERO tolerance to examination cheating

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

Question 1 (24 marks) Compulsory

- a) Define the following terms: (8 Marks)
- i. Internet
 - ii. Cloud computing
 - iii. Protocol
 - iv. World Wide Web
- b) Describe THREE elements required to connect to the internet. (3 Marks)
- c) Discuss FOUR advantages of doing business over the internet. (4 Marks)
- d) Write HTML code that displays the following webpage. (5 Marks)
“This is my **FIRST** paragraph”
- e) Distinguish between OSI layer and the TCP/IP protocol. (4 Marks)
- f) Describe any three methods of connecting to the internet. (6 Marks)

Question 2 (18 Marks)

- a) **Describe** THREE Internet applications used to develop websites. (6 Marks)
- b) HTML is a scripting language that uses tags. Describe the meaning of the following tags as used in webpage development: (6 Marks)
- i. <a>
 - ii. <table>
 - iii.
 - iv.
 - v. <p>
 - vi. <body>
- c) Describe THREE negative impact of use of internet on people and business. (6 Marks)

Question 3 (18 Marks)

- a) List any TWO web browser softwares and TWO search engine softwares that you know. (2 Marks)
- b) Explain THREE duties of an Internet Service Provider. (6 Marks)
- c) Distinguish between LAN and WAN. (4 Marks)
- d) Write down the output of the following HTML code: (6 Marks)
- ```
<html>
<head>
</head>
<body>
<p>The following is a list of lady's wear:</p>

Skirts
Blouses
Dresses

</body>
</html>
```

**Question 4 (18 Marks)**

- a) Explain a brief history of the internet. (5 Marks)
- b) Outline the SEVEN layers of the Open System Interface (OSI). (7 Marks)
- c) Explain the difference between the following Internet, Intranet and Extranet (6 Marks)

**Question 5 (18 Marks)**

- a) What is the difference between https and http (2 Marks)
- b) Briefly explain THREE cloud computing technologies. (6 Marks)
- c) Discuss FIVE trends of use and development of internet technologies. (10 Marks)