



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
(MMUST)**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DIPLOMA

IN

INFORMATION TECHNOLOGY

**COURSE CODE: DIT 068**

**COURSE TITLE: WEB PROGRAMMING**

**DATE: Tuesday 19/04/2022**

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

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INSTRUCTIONS TO CANDIDATES

Answer Questions ONE and ANY OTHER TWO.

**TIME: 1 Hour 30 Minutes**

MMUST observes ZERO tolerance to examination cheating

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

### QUESTION ONE (24MKS)-Compulsory

- a. Define the term web programming, stating why it is important [3mks]
- b. Differentiate between high-level programming language and low level programming language giving an example in each case [4mks]
- c. Explain the meaning of following terms as used in programming
- I. Compiler [2mks]
  - II. Interpreter [2mks]
- d. Outline the importance of tags in programming giving 3 examples of common tags used in HTML [6mks]
- e. Outline 4 application areas of HTML [4mks]
- f. As the chairman of your youth club, explain to the members the importance of having a website [3mks]

### QUESTION TWO (18 MKS)

- a. What are cookies in programming? [2mks]
- b. Explain the importance of setting the period in cookies and the results of not setting them [4mks]
- c. Consider the below text and write a HTML code that will produce the same [12mks]

### IMPORTANCE OF HTML

Originally, HTML was developed with the intent of defining the structure of documents like headings, paragraphs, lists, and so forth to facilitate the sharing of scientific information between researchers. Now, HTML is being widely used to format web pages with the help of different tags available in HTML language.

### QUESTION THREE (18 MKS)

- a. Differentiate between valid and invalid comments [4mks]
- b. Explain two reason why comments are applied in any programming language [2mks]
- c. Using Ordered list, create a list of the following using HTML codes. Cow, goat, sheep [12mks]

**QUESTION FOUR (18MKS)**

- a. Differentiate between the following types of lists as used in HTML programming [2mks]
  - I. Ordered list [2mks]
  - II. Unordered list [2mks]
  - III. Definition list [12mks]
- b. Using HTML code, write a code to create the following table with its content

MMUST WEB PROGRAMMING TIPS			
Introduction	Read	Understand	Plan
Code	Write code	Re-write codes	Re-code
Practice	code	Code	code
Website	Create a site	Link sites	Modify site

**QUESTION FIVE (18MKS)**

- a. The target attribute links different web pages and sites together. Explain how the following attributes are used. [2mks]
  - i. `_blank` [2mks]
  - ii. `_self` [2mks]
  - iii. `_parent` [2mks]
  - iv. `Targetframe` [2mks]
- b. Differentiate between a download link and an upload link as used in web programming [4mks]
- c. Outline and discuss any 3 video files that can be used to support videos in HTML [6mks]