(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

FIRST SEMESTER EXAMINATIONS

FOR THE DEGREE

IN

COMPUTER SCIENCE

COURSE CODE: BCS 223

COURSE TITLE: WEB PROGRAMMING

DATE: 26/04/2022   **TIME:** 8:00 am-10:00a.m

INSTRUCTIONS TO CANDIDATES

Answer **Question ONE (1)** and any other **TWO**

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 5 Printed Pages. Please Turn Over.
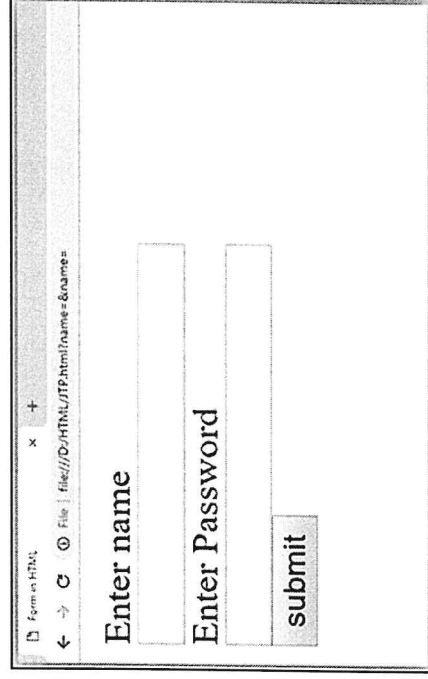
SECTION A: COMPULSORY QUESTION   [30 MARKS]

QUESTION 1

a) Explain the meaning of mark-up language and hence give any two examples.   (2 Marks)

b) Use an example to discuss the different parts of a URL.   (3 Marks)

c) Outline three places where you can put your JavaScript code during creation of a webpage.   (3 Marks)

d) Give the syntax of CSS rule: and use an example to explain one.   (4 Marks)

e) Identify the number of ways in which CSS be integrated as a web page; explain each.   (6 Marks)

f) Identify the three parts or fields of a

    i.   HTTP Request.   (3 Marks)

    ii.   HTTP Response   (3 Marks)

g) Define the following terms and hence give a relevant example: (6 Marks)

    i.   Web server

    ii.   Web client

    iii.   Protocol

SECTION B: ANSWER ANY TWO QUESTIONS   {20 MARKS EACH}.

QUESTION 2

a) Use a meaningful example to demonstrate the following: -

    i.   Inline CSS.   **(2 Marks)**

    ii.   Internal CSS.   **(4 Marks)**

    iii.   External CSS.   **(4 Marks)**

b) Describe a HTML form, with bias to its functions.   **(3 Marks)**

c) Write code to generate the following with reference to HTML forms.   **(7 Marks)**

QUESTION 3

a) In most websites the languages, HTML, CSS & JavaScript are normally used. Explain each emphasising on the purpose or use in a webpage.   **(9 Marks)**

b) Describe the JavaScript's *innerHTML* property with respect to its use.   **(4 Marks)**

c) Write a JavaScript code that displays the message below and gives an alert if a user clicks a button (click me). Feel free to put any message on the alert.   **(7 Marks)**

Click the following button to see the effect

Click me

QUESTION 4

a) Discuss the following HTTP methods; **POST, GET & DELETE.**

(6 Marks)

b) Explain the differences and similarities between the following internet resource addresses.
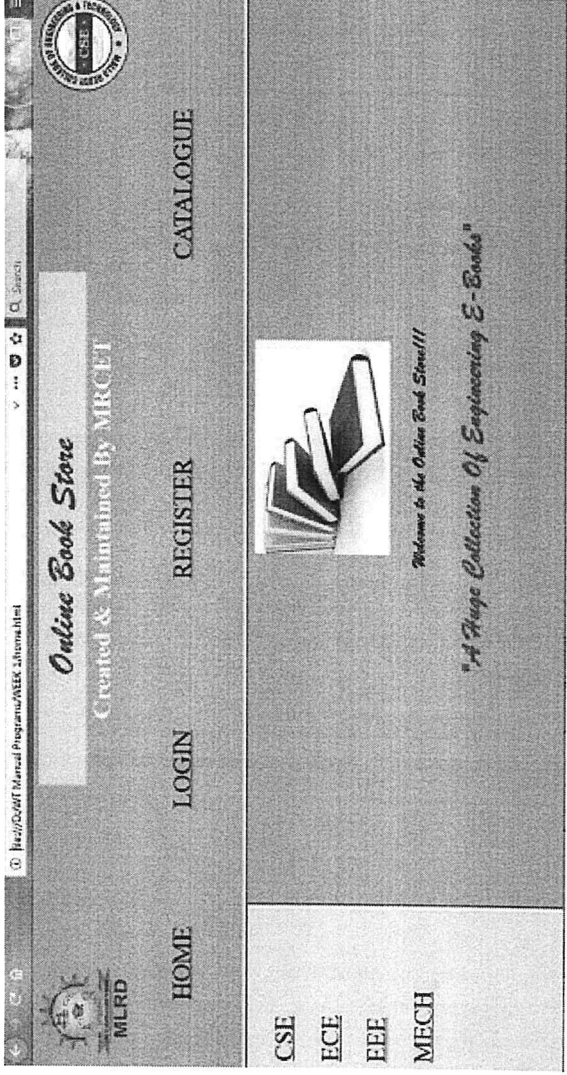
(4 Marks)

http://www.mmust.co.ke and info@mmust.co.ke

c) Write a JavaScript code to create the following dynamic registration form. Use the "**innerHTML**" property.

(10 Marks)

comment

Name:

Comment:

comment

QUESTION 5

a) Using HTML and CSS only design a webpage that looks like the one below.

(20 Marks)

End of Exam