



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya.

Tel: +254 (0)799529958, +254 (0)799529959, +254 (0)712524293

Website: [www.must.ac.ke](http://www.must.ac.ke) Email: [info@must.ac.ke](mailto:info@must.ac.ke)

---

## University Examinations 2023/2024

FIRST YEAR, SECOND SEMESTER EXAMINATION FOR THE CERTIFICATE IN  
INFORMATION TECHNOLOGY

### CIT 1211: CLIENT-SIDE APPLICATION DEVELOPMENT

DATE: APRIL 2024

TIME: 1<sup>1</sup>/<sub>2</sub> HOURS

---

#### INSTRUCTIONS:

1. Answer Question ONE, and any other TWO
- 

#### QUESTION ONE (30 MARKS)

- a) The CCS background properties are used to define background effects for elements. Identify any two background properties (2 marks)
- b) Using example, demonstrate two ways of writing comments in CSS (4 marks)
- c) JavaScript in most website exists as external files. What advantages does that have over having scripts in the same file as HTML? (2 Marks)
- d) Using appropriate examples, demonstrate comments in JavaScript. (4 marks)
- e) Write what will be displayed by the following code. (5 marks)

```
<script>
For (i=10; i<= 1; i++)
{
Document. Write (i+” <br/>”)
}
</script>
```

- h) Give a basic outline of HTML code (3 marks)
- 



- i) Give two reasons why scripting languages are very in interest application programming (3 marks)  
Write HTML code that creates a table with two rows (6 marks)  
What does the acronym CSS stand for (1 mark)

**QUESTION TWO (15 MARKS)**

- a) Write a JavaScript code to display ODD number from 5 to 40 (5 marks)
- b) Discuss the key importance of CSS in HTML page. (4 marks)
- c) Discuss the CSS syntax rule (6 marks)

**QUESTION THREE (15 MARKS)**

- a) Differentiate between ID selector and class selector (4 marks)
- b) The IT Department has contracted you to develop a website that registers students for a unit. Write a simple website that captures the students name and registration number. Write a JavaScript function that ensures that these values are not blank. (8 marks)
- c) Define the term client in web development (2 marks)
- d) What does the acronym CSS stand for? (1marks)

**QUESTION FOPUR (15 MARKS)**

- a) Identify any six examples of JavaScript events (6 marks)
- b) JavaScript identifies each object on web page by naming them using a structured hierarchy called document object model. Use diagram to describe JavaScript DOM object hierarchy. (5 marks)
- c) Outline the request/response process between a web browser and web server when the browser request information from a server. (4 marks)

