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**University Examinations 2023/2024**

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF  
BACHELOR OF HEALTH RECORDS AND INFORMATION MANAGEMENT**

**HPR 3226: INTRODUCTION TO WEB DESIGN**

**DATE: APRIL 2024**

**TIME: 2 HOURS**

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**INSTRUCTIONS:** *Answer question **one** and any other **two** questions*

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**QUESTION ONE (30 MARKS)**

- a) Define the following technologies in the field of web development (4 marks)
- HTML
  - HTTP
  - FTP
  - Browser
- b) Identify any four elements used in writing HTML (4 marks)
- c) Create a simple webpage that can be used to display the records of students as shown in the table below. The marks of the students should be bold and centered (4 marks)

NAME	MATHEMATICS	ENGLISH	KISWAHILI	SCIENCE
RAMON	80	65	90	100



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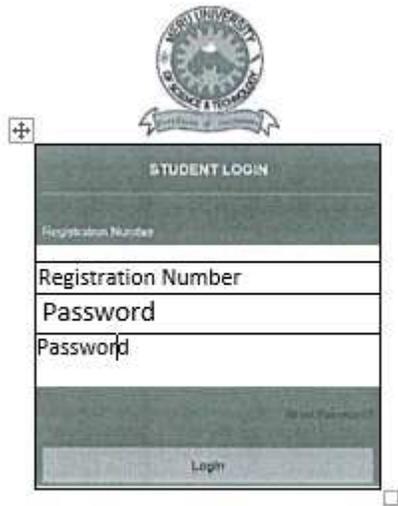


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OMBUI	75	70	95	95
NGURE	70	75	90	85
ACHIENG	65	80	95	75

d) Create a simple web page that displays the following image in .JPG format

(8 marks)



e) Create the colour table below using appropriate HTML code

(10 marks)

RED+BLUE	RED	GREEN
	BLUE	

### QUESTION TWO (20 MARKS)

a) Using a suitable example, explain the difference between CSS and HTML (3 marks)

b) Consider the output below and use it to answer question that follows

- Coffee
- Tea
- Black tea
- Green tea



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- Milk

- Write HTML code that would display the list shown above (5 marks)
- c) Outline with clear examples HTML tags that can be used to display the following items on a web page
- i. Image (3 marks)
  - ii. Link (3 marks)
  - iii. Heading of a page (3 marks)
  - iv. Paragraph (3 marks)

### QUESTION THREE (20 MARKS)

- a) Give the HTML elements for creating the following content (12 marks)
- i. An image (logo.jpg) used as a link to an external website([www.must.ac.ke](http://www.must.ac.ke))
  - ii. A thin black horizontal line that runs half the width of display
  - iii. Merge two data cells within the same row
  - iv. Give a row in the table the same background colour
  - v. Fix the width of a column in table to 200 pixels
  - vi. Make the table fill the entire display of the computer
- b) Write short notes on the following (8 marks)
- i. Web designing vs.web development
  - ii. Server side vs.client-side scripting
  - iii. Front-end vs.back-end designing
  - iv. HTML vs XML

### QUESTION FOUR (20 MARKS)

- a) Using examples, explain the following in relation to CSS (4 marks)
- i. The class selector
  - ii. The id selector
- b) Explain the functions of any four members of the ISO-OSI suite (8 marks)



- c) A form is an object in the document object model. Discuss at least four elements (objects) under the for object and possible use of each object during web development

(8 marks)

**QUESTION FIVE (20 MARKS)**

- a) As the project manager you are required to develop a website. Explain the process that this website project would entail from inception to completion (10 marks)
- b) State five types of tags used in HTML (5 marks)
- c) When talking about responsive web design, what are the differences between the mobile first and the desktop first approaches? Where does each excel and what are some of the issues it leads to? (5 marks)



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