CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN HEALTH RECORDS AND INFORMATION MANAGEMENT

HRIM 273: WEB DESIGN AND MANAGEMENT

STREAMS: BSC HRIM

TIME: 2 HOURS

DAY/DATE: TUESDAY   6 /07/ 2021   **2.30 PM – 4.30 PM**

INSTRUCTIONS:

- Answer Question **ONE** and any other **TWO** questions.
- Diagrams should be used whenever they are relevant to support an answer.
- Sketch maps and diagrams may be used whenever they help to illustrate your answer
- Do not write anything on the question paper
- This is a **closed book exam**, No reference materials are allowed in the examination room
- There will be **No** use of mobile phones or any other unauthorized materials
- Write your answers legibly and use your time wisely

SECTION A

ANSWER ALL THE QUESTIONS IN THIS SECTION

QUESTION ONE [30 MARKS]

a) Differentiate between <hr/> and <br/> in web design. [2 Marks]

b) Explain any two uses of   in web design. [2 Marks]

c) An image named **theimage.jpg** is to be used as a hyperlink to open the website www.chuka.ac.ke . Write the html code to implement this. [5 Marks]

d) POST and GET are both used in web forms to send data to the server. Highlight the difference between POST and GET. [4 Marks]

e) Describe three advantages of using CSS in a website. [6 Marks]

f) Write html code that makes the background color of a webpage to be red and the color of the text to be green. [4 Marks]

g) Differentiate between <th> and <td> when used in the design of tables using html. [4 Marks]

h) Highlight any three reasons why web designers need JavaScript in web design projects. [3 Marks]

SECTION B

ANSWER ANY TWO QUESTIONS FROM THIS SECTION

QUESTION TWO [20 MARKS]

a) Write html code to reproduce the structure below [10 Marks]

HRIM 273 PERFORMANCE		
NAME	**REG NUMBER**	**MARKS**
ALICE	34567	50
	1234	89
SAMANTHA	7629	62
DANIEL		34
AVERAGE MARK		

b) Explain why the following are needed in web design:

    i.   Loopback address.   [2 Marks]

    ii.   XAMPP.   [2 Marks]

    iii.   Web Server.   [2 Marks]

    iv.   Protocols.   [2 Marks]

    v.   URL.   [2 Marks]

QUESTION THREE [20 MARKS]

a) Explain why headings are used in web design.   [2 Marks]

b) Identify the different types of headings demonstrating them through html code.
    [5 Marks]

c) Implement an inline CSS that makes the size of a marquee text to be size 24. Consequently demonstrate how the marquee alternates from one side of the web page to another.   [7 Marks]

d) Explain any three advantages and any three disadvantages of using animations in a website.   [6 Marks]

QUESTION FOUR [20 MARKS]

a) A website gives visitors a chance to send a compliment or a complaint through a web form. Write html code that creates a web form which captures the following details: email address of the visitor, gender, age, and complaint/complement; then sends the captured details to a remote server.   [10 Marks]

b) Describe any four reasons why an institution may benefit from a website. [4 Marks]

c) Write internal CSS code that makes all images on the webpage to be sized 100 pixels wide and 100 pixels high.   [6 Marks]

QUESTION FIVE [20 MARKS]

a) Differentiate between a static and a dynamic website.   [4 Marks]

b) Describe three reasons why the ALT attribute is important when placing images on a
    website.   [6 Marks]

c) Users in a website are required to choose their gender and also choose all the units they are
    taking for the semester where choice of units are HRIM 270, HRIM 271, HRIM 272, COSC
    103, EDU 450 and HRIM 273. After making the choice, a button is clicked to send the info
    to a server. Design this interface by use of HTML.   [8 Marks]

d) Use html code to demonstrate a definition list.   [2 Marks]

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