

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

RESIT/SPECIAL EXAMINATION

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF HEALTH RECORDS

HRIM 273: WEB DESIGN AND MANAGEMENT

STREAMS: HRIM

TIME: 2 HOURS

DAY/DATE: MONDAY 28/08/2023

2.30 P.M – 4.30 P.M.

INSTRUCTIONS

- **Attempt question ONE (Section A) and any other TWO from SECTION B**

SECTION A-Compulsory

QUESTION ONE (30 MARKS)

- Give 3 reasons why internet uptake is on the increase (6 Marks)
- Define the following terms and state their specific roles in internet and World Wide Internet. (4 marks)
 - Web server
 - HTML
 - Web browser
 - Protocols
- Identify the various parts of the following URL: “<https://www.must.ac.ke/home>.” (4 marks)
- With an aid of a diagram explain how server-Based network is different from peer-to-peer network (6 Marks)
- Write an HTML code to display the following: (6 Marks)
 - HTML Tutorial
 - CSS Tutorial
 - JavaScript Tutorial

f) Distinguish between the following tags:

- (i) <TH> and <TD>
- (ii) <P> and

(4 Marks)

SECTION B

QUESTION TWO (20 MARKS)

- a) With the aid of a diagram, describe the TCP/IP model illustrating how it maps to the OSI model. (10marks)
- b) Write HTML lines of code that implements the following lists when run in a browser (10 marks)

Private Universities in Kenya

A. USIU

B. CATHOLIC UNIVERSITY

C. DAYSTAR UNIVERSITY

Menu

1. Vegetarians non-vegetarians

a) Meat

i. Beef

ii. Chicken

iii. Fish

b) Greens

• Kales

• Cabbages

2. Fruits

o Pineapples

o Oranges

QUESTION THREE (20 MARKS)

- a) James is an instructor at Nairobi institute of Technology. He approaches you to help him create a table of student marks that will be uploaded on the institute's website. Using the HTML knowledge you acquired, write the HTML code to achieve this. He

- has four students. The data you need to capture include the reg No, Name, Gender, CAT1 and CAT2. (6 marks)
- b) Write a HTML code that displays the message “Hello world!!”. Set the background colour to black. (4 marks)
- c) Discuss five key challenges a web design project team is likely to encounter and how each challenge can be surmounted. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Modern web design approaches puts web designers into distinct groups based on the roles played in a web development project. Differentiate between the following popular groups: Front-End Developers and Back-End Developers. (3 marks)
- b) Describe four key reasons why a static websites would soon be phased out. (4 marks)
- c) Write a HTML code that will display a student registration form. It should capture the Reg. No, Name, Age, Gender, Phone, Email and Phone Number. Include a save Button. (5 marks)
- d)) Describe any 4 problems that are related to the use of the internet today (8 marks)

QUESTION FIVE (20 MARKS)

- a) Write the HTML source code for the form below (8 marks)

First Name

Last Name

Comment

- b) Describe the following types of websites. (6 marks)
- (i) Transactional Site
 - (ii) Informational Sites
 - (iii) Community Sites
- c) Explain the key distinction between HTML Elements, Tags and Attributes. (6 marks)