

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN HEALTH RECORDS

HRIM 273: WEB DESIGN AND MANAGEMENT

STREAMS:

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 12/04/2023

2.30 P.M – 4.30 P.M

INSTRUCTIONS:

- Attempt question ONE (Section A) and any other TWO from SECTION B
- Marks are awarded for clear and concise answers
- ONLY the first THREE Questions attempted will be marked (Question one inclusive)

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
- Distinguish between the following tags:
 - <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)
