



KENYATTA UNIVERSITY

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

SIT 209: WEB DESIGN

2ND SEMESTER 2023/2024

TIME: 2 HRS

INSTRUCTIONS: Answer question ONE and any other TWO questions

QUESTION ONE COMPULSORY (30 MARKS)

- a) Explain is a what a domain name giving a valid example (2 Marks)
- b) You have just been promoted to be the head in web site design and development department of your company. You analyze the website for the company and advise that external style sheets should be used.
- Give two advantages of using external style sheets in web design that there is a lot of inconsistency in the web pages. (4 Marks)
 - Define URL and explain its purpose. (3Marks)
 - Explain the differences between external style sheets and internal style sheets. (4 Marks)
- c) Write a code to create a web page that will display an image called **house.jpg**. (3 Marks)
- d) Explain any four characteristics of HTML tags. (4 Marks)
- e) Using the input type element text, write HTML code that will give the following output on a browser(4 Marks)
- First name:
- Last name:
- f) Describe the term a web server and give a valid example (2 Marks)
- g) Understanding of visual and audio elements is mandatory for modern Web design.
- Discuss any two image formats. (2 Marks)
 - Elaborate any two elements used to capture user attention in a webpage (2 Marks)

QUESTION TWO (20 MARKS)

- a) Describe each the following HTML tags (4 Marks)
- i. <FORM>
 - ii. <TR>
 - iii.

 - iv.
- b) Explain the three different views of web pages Dreamweaver page (3Marks)
- c) Discuss the term World Wide Web (2 Marks)
- d) “The social norm among teenagers is that downloading music or copying movies without paying for them is OK”. Explain three factors of how the government can apply a sense of ethics to this behavior. (6 Marks)
- e) Explain how the World Wide Web is influencing information dissemination in the world today. (5 Marks)

QUESTION THREE (20 MARKS)

- a) HTML Attributes provide additional information about HTML elements. Explain any four attributes that can be used in HTML code. Write a HTML Code that will accommodate and use the following tags (8 Marks)
- i. <A HREF> ,
 - ii. <TABLE border size>
 - iii. <IMG
 - iv.
- b) Give the differences between internet and World wide web (4 Marks)
- c) The World Wide Web is a major avenue for immorality and unethical behaviors. Discuss. (4 Marks)
- d) Using examples, write HTML statements for each of the following (4Marks)
- i. Specifying headings
 - ii. Creating a paragraph
 - iii. Defining the body COLOR
 - iv. Define a frame

QUESTION FOUR (20 MARKS)

- a) It is now a common trend to see businesses developing websites. Research indicates that websites has influence of image and growth of a business. Explain Five advantages of the website for a business (5 Marks)
- b) Write the correct HTML code for creating a hyperlink to the website www.institute.co.ke (3 Marks)
- c) Create a webpage that will display a list using ordered list, ordered list and definition list (6 Marks)

- d) After website development, renting a server from an Internet Service Provider (ISP) is a common option. Most small companies store their web site on a server provided by an ISP. List four (4) advantages of hosting a website with an ISP. (4Marks)
- e) As the lead person in a web development team, explain and demonstrate with examples how a good information Centre site plan can be achieved. (2 Marks)

QUESTION FIVE (20 MARKS)

- a) Explain the term web browser and give valid examples (2 Marks)
- b) Write HTML code that will display a table with the following attributes: (6 Marks)
- Must have three columns and one row
 - Table border = 8 pixels
 - Add the following information in each cell: LG, Samsung, Sony
- c) Given the URL <ftp://BIT.com/readme.txt>. Explain the different parts that constitute this URL (3 Marks)
- d) Explain what is multimedia and how is it applied in web development (2Marks)
- e) Briefly explain the purpose of search engine in the internet (1Mark)
- f) Using examples explain any four (4) services offered in the Internet. (4Marks)
- g) Explain why it is necessary to understand HTML even if wizards for auto-generation of web pages are provided in other modern programmes (2 Marks)