



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE (INFORMATION AND LIBRARY STUDIES, HEALTH INFORMATION)

SIT 209: WEB DESIGN

DATE: Friday 2nd February 2018

TIME: 4.30 p.m. - 6.30 p.m.

INSTRUCTIONS:

- a) Define the following terms as used in networking. (5 Marks)
 - i) Internet
 - ii) Worldwide web
 - iii) HTTP
 - iv) FTP
 - v) SMTP
- b) The Worldwide web is a combination of 4 basic ideas. Discuss them. Discuss them. (8 Marks)
- c) Draw the browser Architecture and discuss its component parts. (10 Marks)
- d) Create a form in HTML which has checkboxes. The value of checkboxes are; bananas, orange, pawpaw, tomato. The oranges should be checked. Background color is blue, text is red. (7 Marks)

QUESTION TWO (20 MARKS)

- a) Websites behave differently depending on what they do and how they change. The web documents are grouped into these categories according to how the content changes. Discuss each and state its advantages and disadvantages. (9 Marks)

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- b) Write a javascript code that asks you to enter your name and then display the name. The name should be in heading level1. Background colour is magenta. (4 Marks)
- c) Write a code in html where by
- Title as image and is a link
 - Background color is red
 - Image is called Kenya.jpg and it acts as a link to Kenyatta University website.
 - The image should be scrolling at a speed 100 alternatively. (4 Marks)
- d) Write an html code that creates a table with two rows and three columns. Table borders=2. First row should contain; names of fruits. Second row should contain; names of people. (3 Marks)

QUESTION THREE

- a) The internet implemented using a layering protocol known as the TCP/IP. Draw the model and discuss it briefly. (6 Marks)
- b) Create 4 frames
 A, B, C, D
 A is green
 B is yellow
 C is red
 D is magenta
 Let frame A, B and C be below D
 Let D take 50% space
 Let A take 35% of space, B takes 35% and C takes 30%. (6 Marks)
- c) Write html code for a table which has two rows and two columns. The second cell of the first row has a label with border 2, two rows and two columns. The first cell of the second row of the first table has a list which is ordered starting with (iv). The list is of Kenya towns. Any information not specified about the table put on your own. (6 Marks)

- d) List two problems of using HTML as a design language. What's the general solution?
How does the solution solve the two problems you listed? (2 Marks)

QUESTION FOUR (20 MARKS)

- a) There are common browser errors we encounter during browsing. These errors are usually given numbers. Given the following browser error numbers state their names and also their meaning.
- i. 400
 - ii. 401
 - iii. 403
 - iv. 404
 - v. 500
- b) What is the W3C? How important is it for web developers? (4 Marks)
- c) Write a query where you select cars. The select option values are Volvo, Saab, Fiat and Audi. Put a background image. (4 Marks)
- e) Briefly discuss the global namespace for domains. (3 Marks)
- f) Write a javascript code with a function called ku. When you call the function it should return an alert "Hello world". The button is me. (4 Marks)

QUESTION FIVE (20 MARKS)

- a) Write JavaScript code that if it is executed and the time is 10 o'clock it returns a good morning greeting. (5 Marks)
- b) Using a do while loop write a script that decrements from 5 to 0 (5 Marks)
- c) Using a switch case, write a JavaScript program that return a greeting depending on the day of the week. (10 Marks)