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**KIRIRI WOMEN'S UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2023/2024 ACADEMIC YEAR
SECOND/THIRD YEAR, SECOND/FIRST SEMESTER EXAMINATION
FOR THE BACHELOR OF SCIENCE IN COMPUTER SCIENCE
KCS 209- INTERNET APPLICATION PROGRAMMING**

Date: 10TH AUGUST 2023

Time: 11:30AM – 1:30PM

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)


- a) Wood Creek LTD is an organization that deals with farm chemical products. You have been contracted to design an ecommerce website to help in marketing the products.
- i) Describe five factors that you would consider when choosing the content for the website. (5 Marks)
- ii) Explain five limitations that you are likely to encounter during the website development process (5 Marks)
- b) You have been appointed as the Information Technology manager of Kikopey Cars Limited. You are in the process of developing a dynamic website. Explain any five advantages of using external JavaScript in the website development process. (5 Marks)
- c) Describe five advantages of using Cascading Style Sheet in web development (5 Marks)
- d) Describe any five components of a JavaScript statement (5 Marks)
- e) Write a suitable HTML/CSS code for the figure shown below; (5 Marks)

NAMES	REGISTRATION NUMBER	COURSE UNIT	MARKS	COMMENT
IAN KIOKO	1657	ICT	90	EXCELLENT
JANE MUSAU	7890	TAX	40	POOR
FARIDA WANJIRU	2345	ACCOUNTING	50	FAIR
ALICE APIYO	367	FINANCE	70	GOOD
ROBERT MAINA	7823	SYSTEM DESIGN	90	EXCELLENT

GRACE KAMIL	7835	HISTORY	34	POOR

QUESTION TWO (20 MARKS)

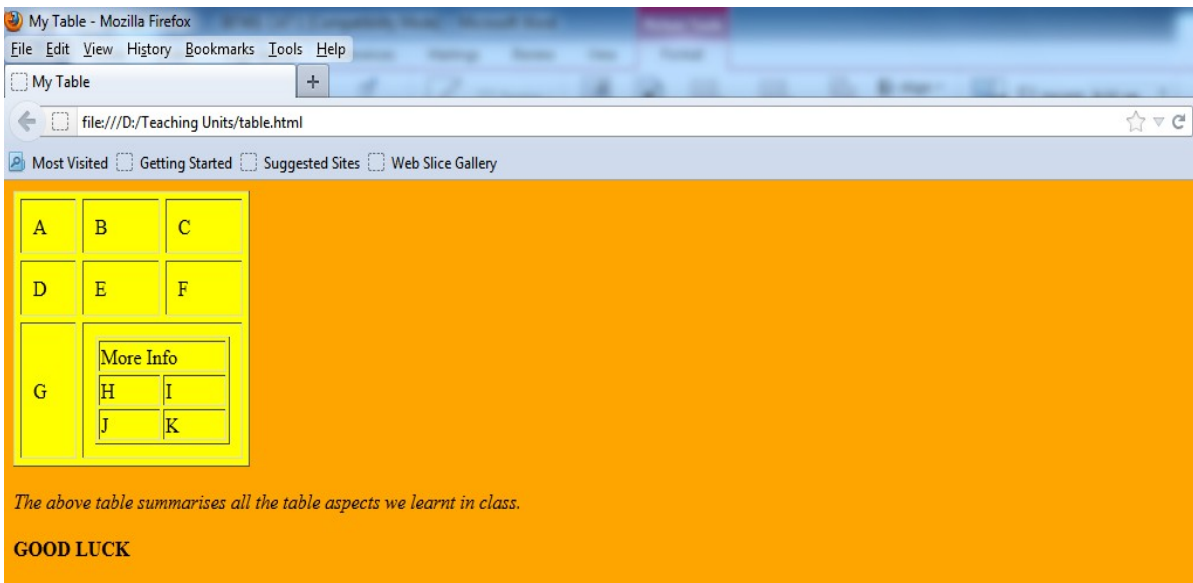
a) Write the html code for the following form. (5 Marks)



Subject:

Programme: BBIT BSC

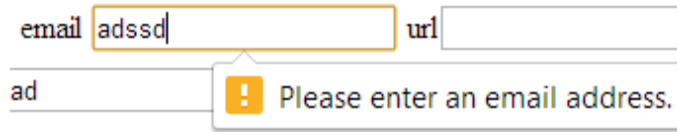
b) Write the HTML code for the following web page. Set the cell padding and cell spacing to 2 and 5 respectively. (5 Marks)



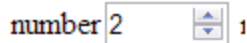
- c) Describe four methods of displaying data in JavaScript (5 Marks)
- d) Using 5 relevant examples compare and contrast Static webpage and Dynamic webpage (5 Marks)

QUESTION THREE (20 MARKS)

- a) Write a HTML, CSS and JavaScript code that will generate the following output, (5 Marks)



- b) Write a HTML/CSS code that will generate the following output (5 Marks)



- c) Write a suitable HTML code to attach an image into a web page. The image has the following attributes, size 400 * 400, alternative text- my logo, image name KWUST LOGO.jpg (5 Marks)
- d) Write a suitable HTML code to link one page to another (5 Marks)

QUESTION FOUR (20 MARKS)

- a) Using HTML, CSS and JavaScript code, write a code that will generate the output below; (5 Marks)



- b) Describe five advantages of Cascading Style sheets as used in website development. (5 Marks)
- c) Write the CSS/Javascript code for the figure below. (5 Marks)



d) Write the CSS/Javascript code for the figure below.

(5 Marks)

DAY	Time	8 - 10	10 - 11	11 - 1.00
Monday		COMMERCE	Break	INFORMATION SYSTEMS
Tuesday		AUDIT	Break	DATABASE
Wednesday		TAX	Break	BUSINESS APPLICATION SOFTWARE
Thursday		FINANCE	Break	WEB DESIGN

QUESTION FIVE (20 MARKS)

a) Using HTML, CSS and JavaScript write a code that will give the output below. The background color is green and the font color is white; (5 Marks)



b) Write a suitable code for the figure shown below; (5 Marks)

Borrowing

<u>StudentID</u>	<u>StudentName</u>	<u>BookID</u>	<u>BookTitle</u>	<u>Date</u>
S1	Smith	B1	Python	12-Apr-2016
S1	Smith	B2	Databases	17-Jan-2016
S2	Ford	B1	Python	25-Feb-2016

c) Write a html code that will display the following definition list as illustrated below. (5 Marks)

- HTTP- Hyper Text Transfer Protocol
- HTML- Hyper Text Mark Up Language

d) Using a well labelled diagram, describe the client server architecture in relation to web development. (5 Marks)