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**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

**END OF SEMESTER EXAMINATIONS
YEAR TWO SEMESTER ONE EXAMINATIONS**

**FOR THE DEGREE OF BACHELOR OF SCIENCE
COMPUTER SCIENCE**

COURSE CODE : CSC 213

COURSE TITLE : APPLICATION

DEVELOPMENT FOR THE INTERNET

DATE: 04/12/2023

TIME: 14:00 HRS – 16:00 HRS

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE (COMPULSORY) [30 MARKS]

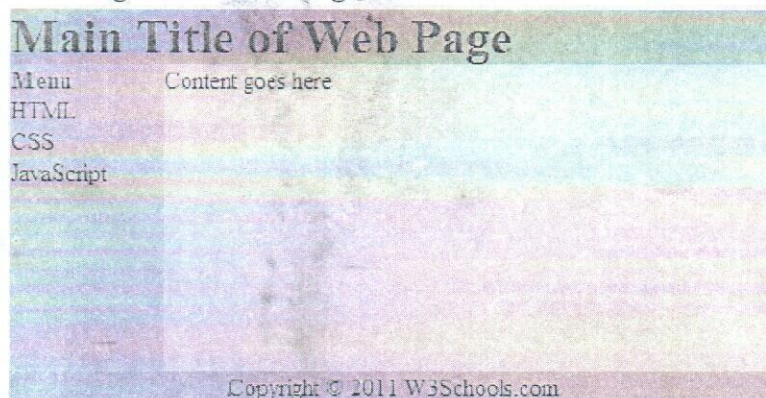
- a. Differentiate between web application development and a web application [4 Marks]
- b. Illustrate your understanding of client side programming detailing how it works. [4 Marks]
- c. As a web designer, detail design principles that you will use to develop a project for a client who is not computer literate. [4 Marks]
- d. i. Why is a form indispensable in any web page? [2 Marks]
ii. Why is online reading taken to be different from print reading? [4 Marks]
- e. i. How is CSS different from HTML? [2 Marks]
ii. Describe the two main parts of a CSS syntax. [3 Marks]
iii. Contrast between the class selector and the id selector [4 Marks]
iv. Describe three uses of wireframes in web development [3 Marks]

QUESTION TWO [20 MARKS]

- a. i. What is a user interface [2 Marks]
ii. Describe the structure principle as used in user interface design [4 Marks]
- b. Knowing your audience is key in ensuring that your web is viewed. As a web developer illustrate five key elements that will make your website good and able to retain the viewer or reader. [10 Marks]
- c. What is the most important form element? Give at least three types. [4 Marks]

QUESTION THREE [20 MARKS]

- a. Describe three ways users can fill out data in the provided forms [3 Marks]
- b. i. There are times when the input is masked, give one such instance [1 Mark]
ii. Write code that will give an output with provision for masked input [3 Marks]
- c. i. What is an iframe? [2 Marks]
ii. Write the syntax for adding a borderless iframe with a set width of 100 pixels and height of 200 pixels [4 Marks]
- d. Write the code that will give the following: [7 Marks]



QUESTION FOUR [20 MARKS]

- a. i. Why is the use of tables important in improving layout? [3 Marks]
- ii. What is "colspan" [2 Marks]
- iii. Write syntax that will create three columns, with each column having a different background color all three stated in different ways [6 Marks]
- b. A declaration is divided into two parts. Write a simple declaration and describe the two [3 Marks]
- c. i. What is a shorthand property used for in CSS? [2 Marks]
- ii. Write the correct order of property values when using the shorthand property [4 Marks]

QUESTION FIVE [20 MARKS]

- a. i. Why are comments important in CSS? [2 Marks]
- ii. Show how comments are written in CSS. [4 Marks]
- b. Contrast the class selector and the id selector [4 Marks]
- c. i. Show how the external style sheet is different from internal style sheet. [4 Marks]
- ii. To specify more than one style in an HTML element cascading is used. Write the rules beginning with the highest priority to the lowest. [4 Marks]
- d. Write down four CSS background properties that can be used to define the background effects of an element. [2 Marks]