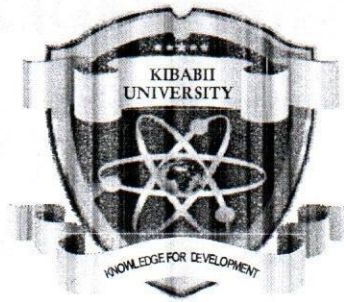


*Handwritten signature*



*(Knowledge for Development)*

**KIBABII UNIVERSITY**

**UNIVERSITY EXAMINATIONS  
2020/2021 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: 16 /06/2021 TIME: 02:00 A.M – 04:00 P.M**

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**INSTRUCTIONS TO CANDIDATES**

**ANSWER QUESTIONS ONE AND ANY OTHER TWO.**

### QUESTION ONE [COMPULSORY] [30 MARKS]

- a. Differentiate between a web application and an application available in play store in relation to how a user accesses both applications. [2 Marks]
- b. Illustrate your understanding of Client and Server-side programming showing a clear distinction between the two. [6 Marks]
- c. As a web designer, detail Four goals for designing an easily usable website for your clients [4 Marks]
- d. i. Why is a form important in a web page? [2 Marks]
- ii. Write code that will give the following output [4 Marks]
- Surname \_\_\_\_\_
- First name \_\_\_\_\_
- e. i. What is CSS? [1 Mark]
- ii. Write a simple CSS syntax and then describe the two main parts. [3 Marks]
- iii. Contrast between the class selector and the id selector [4 Marks]
- iv. Describe two types of font families used in CSS [4 Marks]

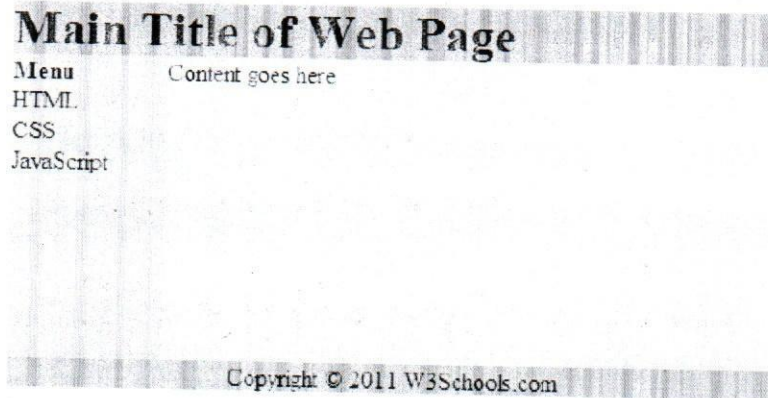
### QUESTION TWO [20 MARKS]

- a. Compare and contrast native applications and hybrid applications [6 Marks]
- b. The objective of any website is to get viewed and read as much as possible. Discuss five key elements that will make your website good in the eyes of a 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. What is a website wireframe? [2 Marks]
- b. Describe two categories of wireframes a web designer can use in his work [4 Marks]
- c. Illustrate three elements that wire framing aids in web design [6 Marks]
- d. Write the code that will give the following: [8 Marks]



### QUESTION FOUR [20 MARKS]

- a. Discuss five limitations of CSS [10 Marks]
- b. Write three ways background colour can be specified in CSS [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 [5 Marks]

### QUESTION FIVE [20 MARKS]

- a. Describe three ways in which CSS can be applied to web page [6 Marks]
- b. Explain four link states available in CSS [4 Marks]
- c. i. Give four list item markers that are used in CSS. [4 Marks]
- ii. To specify an image as the list item marker, write a cross browser code that will ensure the image is placed equally in all browsers. [6 Marks]