



(Knowledge for Development)

KIBABII UNIVERSITY

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**UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR**

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

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

COURSE CODE : CSC 213/BIT 222

COURSE TITLE : APPLICATION

DEVELOPMENT FOR THE INTERNET

DATE: 30/5/2019

TIME: 9.00 A.M. – 11.00 A.M.

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE (COMPULSARY)[30 MARKS]

- How can you make a bulleted list with numbers?
A. <dl> B. C. <list> D. HTML uses
- What is the correct HTML for creating a hyperlink? (note: where you see a big space, that is where a bracket should be)
A. Google.com
B. <a http://www.google.com
C. <a href="http://www.google.com" Google
D. <a name="http://www.google.com" Google.com
- Fundamental HTML Block is known as _____.
A. HTML Body B. HTML Tag C. HTML Attribute D. HTML Element
- What is the correct HTML for inserting an image?
A. B.
C. <Image src="image.gif" > D. image.gif
- To add a plain background colour to your web page, use which of the following?
A. <body bgcolor = "36, 24, 35"> B. <body color = "# FF0000"
C. <body bgcolor = "# FF0000" D. All the above
- Which tag creates a check box for a form in HTML?
a. <checkbox> b. <input type="checkbox">
c. <input=checkbox> d. <input checkbox>
- If we want define style for an unique element, then which css selector will we use ?
A. Id B. text C. class D. Name
- What is the correct HTML for referring to an external style sheet?
A. <stylesheet>mystyle.css</stylesheet />
B. <style src="mystyle.css" />
C. <link rel="stylesheet" type="text/css" href="mystyle.css">
- Where in an HTML document is the correct place to refer to an external style sheet?
A. At the end of the document B. In the <head> section
C. At the top of the document D. In the <body> section
- Which of the following ways below is correct to write a CSS?
A. p {color:red; text-align:center}; B. p {color:red; text-align:center}
C. p {color:red; text-align:center;} D. p (color:red;text-align:center;)
- How do you change the text color of an element?
A. text-color= B. fgcolor: C. color: D. text-color:
- How do you make a list that lists its items with squares?
A. list-type: square B. type: square C. type: 2 D. list-style-type: square
- Which of the below is the correct way to set a font size?
A. h2{font-size:200%;} B. h2{font-size:200px;} C. both a and b above D. h2{font-size:200;}
- Javascript is _____ language.
A. Programming B. None of These C. Application D. Scripting
- JavaScript is designed for following purpose -

- A. To add interactivity to HTML Pages B. To Execute Query Related to DB on Server
 C. To Style HTML Pages D. To Perform Server Side Scripting Operation
16. When a user views a page containing a JavaScript program, which machine actually executes the script?
 A. *The User's machine running a Web browser* B. *The Web server*
 C. A central machine deep within Netscape's corporate offices D. None of the above
17. What are variables used for in JavaScript Programs?
 A. Storing numbers, dates, or other values B. Varying randomly
 C. Causing high-school algebra flashbacks D. None of the above
18. Which of the following can't be done with client-side JavaScript?
 A. Validating a form B. Sending a form's contents by email
 C. Storing the form's contents to a database file on the server D. None of the above
19. What is the correct JavaScript syntax to write "Hello World"?
 A. System.out.println("Hello World") B. println ("Hello World")
 C. document.write("Hello World") D. response.write("Hello World")
20. Inside which HTML element do we put the JavaScript?
 A. <js> B. <scripting> C. <script> D. <javascript>
21. A PHP script should start with ___ and end with ___
 a) < php > b) < ? php ?> c) <? ?> d) <?php ?>
22. Which of the following must be installed on your computer so as to run PHP script?
 i) Adobe Dreamweaver ii) PHP iii) Apache iv) IIS
 a) All of the mentioned b) Only ii) c) ii) and iii) d) ii), iii) and iv)
23. What will be the output of the following php code?

```
<?php
$num = 1;
$num1 = 2;
print $num . "+" . $num1;
?>
```

 a) 3 b) 1+2 c) 1.+2 d) Error
24. Which of the following statements are true?
 a. HTTP runs over TCP
 b. HTTP allows information to be stored in a URL
 c. HTTP can be used to test the validity of a hypertext link
 d. All of the above
25. Which of the following is true about Web services?
 A. Web services are open standard (XML, SOAP, HTTP etc.) based Web applications.
 B. Web services interact with other web applications for the purpose of exchanging data.
 C. Web Services can convert your existing applications into Web-applications.
 D. All of the above.
26. A script is a
 a. Program or sequence of instructions that is interpreted or carried out by processor directly
 b. Program or sequence of instruction that is interpreted or carried out by another program

- c. Program or sequence of instruction that is interpreted or carried out by web server only
 d. None of above
27. Dynamic web page
 A. is same every time whenever it displays
 B. generates on demand by a program or a request from browser
 C. both (a) and (b)
 D. none of the mentioned
28. What is a web browser?
 A. a program that can display a web page
 B. a program used to view html documents
 C. It enables user to access the resources of internet
 D. all of the mentioned
29. Which one of the following is not used to generate dynamic web pages?
 A. PHP
 B. ASP.NET
 C. JSP
 D. none of the mentioned
30. What is document object model (DOM)?
 A. convention for representing and interacting with objects in html documents
 B. application programming interface
 C. hierarchy of objects in ASP.NET
 D. none of the mentioned

QUESTION TWO [20 MARKS]

- a. Write an HTML table tag sequence that outputs the following: [8 marks]

SHOPPING CART

ITEM	AMOUNT	
	KES	US Dollar
Calculator	100	1
Book	3500	35

- b. Is it possible to set specific colours for table borders? [2 marks]
- c. Name and explain any two new tags included in the HTML 5 [4 marks]
- d. Identify the error in HTML markup below and write it in the correct way. [2 marks]
- e. Explain the software/tools you require to develop a webpage. [4 marks]

QUESTION THREE [20 MARKS]

- a. What are style sheets? [2 marks]
- b. Explain any three advantages of using CSS. [6 marks]
- c. Using an example explain the components of a CSS Style [7 marks]
- d. Using a diagram, describe the box model as used in CSS. [5 marks]

QUESTION FOUR [20 MARKS]

- a. What are applets? [2 marks]
- b. Write a statement that can be used to insert a external stylesheet into an HTML webpage. [2 marks]
- c. State three JavaScript data types [3 marks]
- d. What is a prompt box as used in JavaScript? [2 marks]
- e. Write a JavaScript snippets will create an alert box containing "Hello Your Name". [6 marks]
- f. Briefly explain any three advantages of JavaScript in HTML [6 marks]

QUESTION FIVE [20 MARKS]

- a. What is PHP? [2 marks]
- b. Explain the basic software/tools that you need to start working with PHP. [4 marks]
- c. Give the two most common ways to start and finish a PHP script. [2 marks]
- d. Write a simple PHP code to output a web page with the heading " My First PHP Page" and the paragraph "Hello World" in the body. [6 marks]
- e. Compare and contrast PHP echo and print statements. [6 marks]