END TERM EXAMINATION

FIRST SEMESTER [BCA] FEBRUARY 2023

Paper Code: BCA-107	**Subject:-Web Technologies**
Time: 3 Hours	**Maximum Marks: 75**

Note: Attempt five questions in all including Q.No.1.which is compulsory. Select one questions from each unit.

Q1. Attempt **any five** of following: **(5x5=25)**
 (a) Differentiate between Java & JavaScript
 (b) Explain Document structure tags.
 (c) What do you understand by the term container in Bootstrap?
 (d) Write a note on WWW & Domain Name.
 (e) Differentiate between HTML & XML
 (f) Differences between GET & POST method.
 (g) Explain the Document Structure Model.

UNIT-I

Q2. (a) What is hotspot? Explain different type of hotspot by considering and image map of your choice.   **(6.5)**
 (b) Explain the client-server architecture with diagram.   **(6)**

Q3. (a) Explain the following HTML tags with their attributes: **(6)**
 - <link>
 - <audio>
 - <video>
 - <style>
 - <a>
 - <img>

 (b) Create a Quiz related to any topic of your choice by using form elements.   **(6.5)**

UNIT-II

Q4. (a) What are Cascading Style Sheets? Explain different types of style sheets with the help of example.   **(6.5)**
 (b) Create the webpage containing a background image and apply all the background styling attributes.   **(6)**

Q5. (a) What is Responsive Web Design? Explain the key components of Bootstrap?   **(6.5)**
 (b) Explain Bootstrap Grid System. Explain how to link Bootstrap in html document.   **(6)**

UNIT-III

Q6. (a) Write a program in Java Script that receives a no. from the user & check whether the given no. is Armstrong or not.   **(6)**
 (b) Briefly explain various built in Objects in Java Script by giving a suitable example of each.   **(6.5)**

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Q7. (a) Write a program to show the various events in Java Script with the help of code. **(6)**

(b) What is Variable? Explain different datatypes available in Java Script. **(6.5)**

UNIT-IV

Q8. (a) What is web hosting? Explain different hosting types & components. **(6.5)**

(b) What do you mean by WYSIWYG Design Tools. Explain the role of Dream Weaver Tool in Website development. **(6)**

Q9. (a) Explain the different building blocks of XML. **(6)**

(b) Explain various XML parsers in detail. **(6.5)**

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P2b

END TERM EXAMINATION

FIRST SEMESTER [BCA] JANUARY 2024

Paper Code: BCA-107	**Subject: Web Technologies**
Time: 3 Hours	**Maximum Marks: 60**

Note: Attempt all questions as directed. Internal choice is indicated.

Q1 Attempt **any five** of the following:--   **(5x4=20)**
    (a) Explain web browser and web server?
    (b) Write difference between Client side and server side Scripting Language?
    (c) What is CSS and describe types of CSS with their examples?
    (d) Explain the applications and advantages of Bootstrap.
    (e) What is variable? Explain all data types in Java Script.
    (f) What is a JavaScript? Explain the strengths and weaknesses of JavaScript.
    (g) Explain the structure of Document Object Model.
    (h) Explain XML Naming rules in detail.

UNIT-I

Q2 Create an HTML form for employees to fill, which should include the following elements:
    (i) Name
    (ii) Qualification (use dropdown list)
    (iii) Gender (use radio button)
    (iv) Date of Birth (using calendar)
    (v) Contact No.
    (vi) Hobbies (use check boxes)
    (vii) Address (using text area)
    (viii) Email address
    (ix) Submit button   **(10)**

OR

Q3 Explain the following HTML tags with their attributes and examples-   **(5x2=10)**
    (a) <map>
    (b) <img>
    (c) <link>
    (d) <table>
    (e) <list>

UNIT-II

Q4 (a) Explain all CSS selectors and their use with the help of Example.   **(5)**
    (b) Write a detail note on Pseudo Class.   **(5)**

OR

Q5 Explain the classes in Bootstrap with a code-   **(5x2=10)**
    (a) Container class
    (b) Jumbotron
    (c) Glyphicons
    (d) Typography
    (e) Button Variants

UNIT-III

Q6 How are arrays declared in Java? Explain the methods for creating an array in JavaScript. Also write any five methods of array object in detail with example.   **(10)**

OR

Q7 Write a JavaScript program to find: **(10)**
    (a) Factorial of a number
    (b) Reverse of a number

UNIT-IV

Q8 (a) Explain how XML schema is created using DTD.   **(6)**
    (b) How can CSS be used in XML?   **(4)**

OR

Q9 Write short note on: **(10)**
    (a) Web Publishing
    (b) Web Hosting
    (c) XML Parsers

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