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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