

# 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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