

(Please write your Exam Roll No.)

Exam Roll No.750.....

END TERM EXAMINATION

FIRST SEMESTER (BCA) DECEMBER-2024

Paper Code: BCA-105T

Subject: Web Technologies

Time: 3 Hours

Maximum Marks: 60

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

- Q1 Attempt **any four** of the following questions: (4x5=20)
- (a) Define Anchor tag with an example.
 - (b) Define Ordered list with an example
 - (c) Give an example of a basic grid structure in Bootstrap
 - (d) What are Class loaders in Bootstrap?
 - (e) What is JavaScript? Write the advantages of JavaScript.
 - (f) Define Event. How events are handled in JavaScript.
 - (g) Explain about the purpose of DTD
 - (h) Distinguish between DTD and XSD.
- Q2 (a) Explain the structure of the HTML webpage with an example. (5)
(b) Define List Tag with an example (5)
- OR**
- Q3 (a) Define Frameset, Frame Tag. Divide the web page into four equal parts each individual part displays different web page. (5)
(b) Explain the difference between frames and i-frame? What are the benefits of using frame in web pages? (5)
- Q4 (a) Design a HTML form for a student registration with fields like name, age, father's name, address, Contact number, course applied for etc. The form should have two buttons for submission and to reset the value. Also Set the background colour of the form and set its front size 14 Times New Roman (5)
(b) Define Form tag. Design a Registration page by using all Form controls. (5)
- OR**
- Q5 (a) Define Table tag and their attributes with an example. (5)
(b) Explain about Cascading Style Sheets with an example. List the types of Style sheets. (5)
- Q6 (a) How arrays are declared in java. Explain the methods for creating an array in java script. Also write any five methods of array object in detail with example (5)
(b) Discuss the different Built - in objects in java Script by giving a suitable example of each. (5)



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OR

- Q7 (a) Create an HTML website for entering Pizza Order with customer information and validate some controls using Java Script and also suit CSS. (5)
- (b) Explain various operators and data types available in java script with examples. (5)
- Q8 (a) Explain the procedure for validating the XML Documents. (5)
- (b) Compare HTML and XML. (5)

OR

- Q9 (a) Define XHTML. What are the differences between XHTML and HTML with an example? (5)
- (b) Explain Web Publishing in details. What is its need? Also tell about any Web Publishing Tool? (5)



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END TERM EXAMINATION

FIRST SEMESTER (BCA) DECEMBER-2024

Paper Code: BCA-107

Subject: Web Technologies

Time: 3 Hours

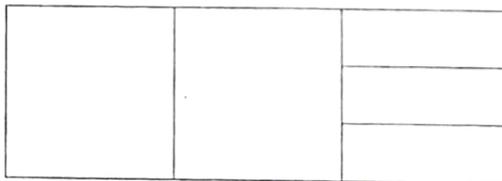
Maximum Marks: 60

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

- Q1 Answer (**any Eight**) all of the following. (2.5x8=20)
- (a) Show the difference between static and dynamic web pages.
 - (b) Define www.
 - (c) Write the usage of the Data Definition List with an example.
 - (d) What is a container in CSS?
 - (e) Describe the purpose of Glyphicons in Bootstrap with an example.
 - (f) Define alert and confirm dialog box.
 - (g) Discuss logical operators in Java Script.
 - (h) List the difference between XML and HTML.
 - (i) Write a note on <marquee> and its attributes.

UNIT-I

- Q2 (a) Explain internal and external linkage of HTML with example (5)
(b) Describe each element of Form Tag. Design an HTML form for student registration with various fields. (5)
- Q3 (a) Describe various hot spots in the image map with an example (5)
(b) Explain the benefits of using frames in a webpage. Create appropriate HTML pages and design the following using frames. (5)



UNIT-II

- Q4 (a) Explain inline, external style sheet with examples. (5)
(b) Explain anchor pseudo class with an example (5)

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- Q5 (a) Explain the usage of grids and images in Bootstrap (5)
(b) Discuss various Style selector used in CSS with example for each (5)

UNIT-III

- Q6 (a) Explain various control statements used in Java script with examples (5)
(b) Give a brief note on Browser Object Model and Describe any 3 key components of the Browser Object Model with example. (5)
- Q7 (a) Explain built-in functions used in JavaScript with example (5)
(b) What is Event Handling? Explain various event handlings used in JavaScript with example. (5)

UNIT-IV

- Q8 (a) Explain the need for IP addressing in web hosting. Discuss the concept of domain registration. (5)
(b) Discuss the role of DTD in XML. Provide examples to illustrate the use of DTD in XML. (5)
- Q9 (a) Explain in detail the building block of the XML Document. (5)
(b) Explain various XML parsers in detail. (5)



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