

Roll No:

Date: __/__/__

St. Claret College

Autonomous, Bengaluru

UG END SEMESTER EXAMINATION-NOVEMBER 2025

BCA III Semester

CADE 3425C: Web Programming I

13

TIME: 1.5 hours.

MAX. MARKS: 40

This paper contains TWO printed pages and THREE parts

Instructions:

1. Verify and ensure that the question paper is completely printed.
2. Any discrepancies or questions about the exam paper must be reported to the COE within 1 hour after the examination.
3. Students must check the course title and course code before answering the questions.

PART-A

Answer **ALL** questions. Each answer carries **ONE** mark.

[10 x 1 = 10]

1. Which of the following is not a difference between HTML and XHTML?
 - a) Charset in both html and xhtml is "text/html"
 - b) Tags and attributes are case-insensitive in HTML but not in XHTML
 - c) Special characters must be escaped using character entities in XHTML unlike HTML
 - d) Charset in html is "text/html" where as in xhtml it is "application/xml+xhtml"
2. HTML element works similar to element.
 - a) <blockquote>
 - b)
 - c)
 - d) <i>
3. In CSS, how would you center a block-level element horizontally within its parent container?
 - a) margin: auto;
 - b) text-align: center;
 - c) position: center;
 - d) align: middle;
4. The class in Bootstrap is used to provide a responsive fixed width container
 - a) .container-fixed
 - b) container-fluid
 - c) .container
 - d) All of the mentioned
5. Type of web hosting is typically the most affordable and is suitable for small websites with low traffic, as it involves sharing server resources with other websites
 - a) Dedicated hosting
 - b) Cloud hosting
 - c) Shared hosting
 - d) Virtual Private Server (VPS) hosting
6. Among the given statements, which statement defines closures in JavaScript?
 - a) JavaScript is a function that is enclosed with references to its inner function scope.
 - b) JavaScript is a function that is enclosed with references to its lexical environment.
 - c) JavaScript is a function that is enclosed with the object to its inner function scope.
 - d) None of the mentioned.

7. Arrays in JavaScript are defined by which of the following statements.
 - a) It is an ordered list of values
 - b) It is an ordered list of objects
 - c) It is an ordered list of string
 - d) It is an ordered list of functions
8. Primary benefit of using AJAX is.
 - a) It allows for full page reloads, ensuring data consistency.
 - b) It enables asynchronous data exchange with the server without full page reloads.
 - c) It simplifies server-side programming by eliminating the need for client-side scripting.
 - d) It primarily focuses on enhancing the visual design of web pages.
9. Correct syntax for the XML declaration defining the version.
 - a) `< xml version="1.0" />`
 - b) `<?xml version="1.0"?>`
 - c) `<?xml version="1.0" />`
 - d) None of the above
10. What separates name/value pairs in a JSON object?
 - a) ;
 - b) ,
 - c) :
 - d) -

PART-B

Answer any **FIVE** questions. Each answer carries **TWO** marks.

[5 x 2= 10]

11. What is the use of head tag? Give an example.
12. Give an example for style property in ul tag.
13. List all the utility classes in bootstrap.
14. Mention the features of cloud web hosting.
15. What are the properties of string object?
16. Give an example program for AJAX implementation.
17. Define JSON Keys with an example.

PART-C

Answer any **FOUR** questions. Each answer carries **FIVE** marks.

[4 x 5 = 20]

18. Design and develop employee registration form.
19. What is external CSS? Explain with an example program.
20. Discuss the various features of bootstrap.
21. Describe the following with an example.
 - a) `window.alert()`
 - b) `window.prompt()`
 - c) `document.write()`
22. Explain the uses of technologies behind the AJAX apps.
23. a) What is xml schema? Give an example.
b) Mention the applications of JSON.

(2+3)