Or

9. Explain recursion process with a simple program.

10. Describe the DOM structure and its components.

Or

11. Explain the window object and its methods.

12. Explain cookies and their working mechanism.

Or

13. Write a program demonstrating object usage.

Section D

14. Discuss the role of client-side JavaScript in enhancing user experience.

Or

15. Explain different methods of embedding JavaScript in HTML.

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B.C.A. EXAMINATION, 2026

(Fourth Semester)

(From 2020-21 Onwards)

(Re-appear Only)

CLIENT SIDE SCRIPTING

BCA-19-44

Time : 3 *Hours*] [*Maximum Marks :* 80

Before answering the question-paper, candidates must ensure that they have been supplied with correct and complete question-paper. No complaint, in this regard will be entertained after the examination.

Note : All questions are compulsory. Each question in Section A of 1 marks in Section B of 3 marks, in Section C of 6 marks and in Section D of 8 marks.

Section A

1. (i) Define JavaScript as a scripting language used in web development.

   (ii) List any two commonly used data types in JavaScript.

   (iii) Identify the purpose of operators in JavaScript expressions.

   (iv) Define assignment operation in JavaScript.

   (v) State the role of continue statement.

   (vi) What is the purpose of return statement ?

   (vii) Define an alert dialog box used in JavaScript.

   (viii) Identify the use of confirm dialog box.

   (ix) Define a checkbox element.

   (x) Define an instance of an object.

   (xi) Define nested objects.

   (xii) Define logical error.

Section B

2. Differentiate between client-side and server-side scripting with examples.

3. Describe different looping constructs in JavaScript.

4. Explain the role of forms in web applications.

5. Explain user-defined objects with examples.

Section C

6. Explain JavaScript as a scripting language and discuss its key features.

Or

7. Explain the concept of client-side scripting with suitable examples.

8. Explain return values in functions.

16. Describe recursion and its applications with program.

Or

17. Explain functions in JavaScript with suitable examples.

18. Explain window and document objects in detail.

Or

19. Describe all types of dialog boxes and their applications.

20. Describe cookie creation, storage and management.

Or

21. Explain the debugging process step-by-step.

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