Fourth Semester B.C.A. Degree Examinations

MAY/JUNE 2026

(SEP Scheme)

PAPER SBD 0220: WEB TECHNOLOGIES

Time: 3 hrs] [Max. Marks: 80

Instructions to Students:

1. ***The Students should legibly write Section number along with question numbers within the margin ONLY.***
2. ***The answer without Section number and question numbers will not be valued.***
3. ***Do not write anything (except register number) on the question paper.***
4. ***The question paper consists of THREE sections A, B & C. All section are compulsory.***
5. ***Answer ALL the questions in SECTION – A, any SIX questions in SECTION – B, any THREE questions in SECTION – C.***
6. ***Draw neat and labeled diagrams wherever necessary.***

SECTION – A

I. Answer all the following questions: 2 × 10 = 20

1. a) What is a markup language? Give example.

   b) Write the use of <p> and <br> tags.

   c) What is JavaScript? Write its features.

   d) What are the different ways to include JavaScript in an HTML document? Explain.

   e) Discuss the types of CSS.

   f) What is a pseudo-class in CSS? Write the uses of pseudo-class.

   g) What is SVG Circle element? Write the syntax of SVG circle.

   h) What is HTML5 Canvas? What is the purpose of <canvas> element?

   i) List any two features of CSS.

   j) Explain any one 2D transform function.

Contd.....2

SECTION – B

II. Answer any SIX of the following questions: 5 × 6 = 30

2. Explain HTML text formatting tags with examples.
3. Explain the structure of HTML document with an example.
4. Explain the console object and its methods with examples.
5. Explain JavaScript any three control structures with examples.
6. Explain CSS Grid Layout and its properties with an example.
7. Explain the CSS Box Model with a neat diagram.
8. Explain CSS Transitions with example.
9. Explain how to draw rectangles using HTML5 Canvas with example.

SECTION – C

III. Answer any THREE of the following questions: 10 × 3 = 30

10. a) Explain the form related tags used in HTML with example.
    b) Explain HTTP GET and POST methods. (6 + 4)

11. a) Explain event handling in JavaScript with example.
    b) Discuss the get Element By Id( ) method with a example program. (6 + 4)

12. a) Explain the pseudo classes :first-child, :last-child, and :nth-child() with examples.
    b) Explain CSS positioning with example. (6 + 4)

13. a) Discuss SVG Line with example.
    b) Explain how SVG files can be viewed in a browser. (6 + 4)

* * * * * *