Name:.....
Roll No:.....

MAR ATHANASIUS COLLEGE OF ENGINEERING (AUTONOMOUS),
KOTHAMANGALAM - 686666
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

B.TECH FIRST SERIES EXAMINATION, AUGUST 2026 (S5 CSE & CSE (DS))
B24CS3T02401 WEB PROGRAMMING

Max. Marks: 40 Duration: 1.5 Hours

PART A

Answer all questions. Each question carries 3 marks.

1. Draw and explain the basic structure of an HTML5 document. (CO1)
2. Explain the syntax and functions of the viewport and charset meta tags. (CO1)
3. What is the difference between document.write() and console.log()? Explain with suitable examples. (CO2)
4. Define an event listener in JavaScript. Write the syntax of addEventListener() and state the purpose of event handlers. (CO2)

PART B

Answer all questions. Each question carries 14 marks.

5. Develop a HTML page that demonstrates the use of Inline, Embedded, and External Style Sheets. Explain the implementation of each type with suitable examples and discuss their advantages, disadvantages, and preferred use cases. (CO1) (14 marks)
6. Develop a JavaScript application to maintain an Employee Salary Management System using arrays. The application shall support adding, updating, deleting, searching, and displaying employee records with appropriate event handling and input validation. (CO2) (14 marks)

VISION

Mould competent professionals to serve as a valuable resource for society in pursuit of excellence.

MISSION

- Provide quality education in Computer Science to equip students with cutting-edge technologies.
- Mould disciplined and socially committed engineers capable of professional leadership.
- Promote theoretical and practical understanding, along with critical thinking and logical reasoning.