

T.E. SEM V C-Scheme / INFT / June 2026

(Time: 3 Hours)

(Total Marks: 80)

03/06/26

- N.B.: 1. Question No.1 is compulsory.
 2. Answer any three out of remaining questions.
 3. Assume suitable data if necessary.
 4. Figures to the right indicate full marks.

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| Q1 | a | Differentiate between HTTP and HTTPS protocols | 5 |
| | b | Differentiate between ES5 and ES6 | 5 |
| | c | Write the steps to create a React project and explain the folder structure of a React project? | 5 |
| | d | What are the features of Nodejs? | 5 |
| Q2 | a | Explain Promise in JavaScript with an example. | 10 |
| | b | Explain useState Hook with an example | 10 |
| Q3 | a | Write a JavaScript program to define a class, create an object from it, and call a method using that object | 10 |
| | b | Explain the React Component Lifecycle | 10 |
| Q4 | a | Explain the Model-View-Controller (MVC) framework in React. | 10 |
| | b | Explain the Fetch API in JavaScript with an example | 10 |
| Q5 | a | Explain the Node.js net module and write a program to create a simple server | 10 |
| | b | Explain REST API and its principles | 10 |
| Q6 | a | Explain Async await in Javascript. | 10 |
| | b | Write React code for a function-based App component to display 'Hello World' | 10 |