

.TE sem V Scheme Summer 2025

(3 Hours)

(Total Marks: 80)

3/06/2025
INFT

- 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.

- Q1. a) Explain the difference between State and Props in React JS with an example. (10)
b) What is a REST API? Discuss its core principles and why they are important. (10)
- Q2. a) Explain Buffers and Streams in Node.js. Provide an example where they are useful. (10)
b) Discuss the different phases of the React component lifecycle. (10)
- Q3. a) Discuss the differences between var, let, and const in ES6 with examples. (10)
b) Explain promises with an example. (10)
- Q4. a) Explain File System module of Node.js in detail. (10)
b) What is Web Browser. Discuss working of Web Browser in detail. (10)
- Q5. a) What is ExpressJS. Explain features of ExpressJS. (10)
b) Explain Flux architecture in detail. (10)
- Q6. Short note on: (Any 4) (20)
- a) ES5 vs ES6
 - b) JSX
 - c) JSON
 - d) URL vs. URI
 - e) Arrow Function
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