

M.Sc.(IT & CA) Semester - 2 (CBCS) Examination
March/April – 2025 (As Per Syllabus Year-2023)
React JS and Express JS (Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1(A) Answer the following questions. [03]
- 1) What is JavaScript?
 - 2) What is Express JS?
 - 3) Full form of ECMA.
- Que.1(B) Answer the following questions. (Any Two) [06]
- 1) Explain features of JavaScript.
 - 2) Difference between JavaScript and HTML.
 - 3) Explain Events in JavaScript.
 - 4) Explain Promises with example.
- Que.1(C) Answer the following question. (Any One) [05]
- 1) Explain Conditional statement in JavaScript.
 - 2) Explain Array in JavaScript.
- Que.2(A) Answer the following questions. [03]
- 1) What is React?
 - 2) What is Destructuring?
 - 3) Full form of JSX.
- Que.2(B) Answer the following questions. (Any Two) [06]
- 1) Explain features of React.
 - 2) What is JSX?
 - 3) Explain Props in React JS.
 - 4) Explain State in React JS.
- Que.2(C) Answer the following question. (Any One) [05]
- 1) Explain Folder structure of React JS.
 - 2) Explain Components in React JS.
- Que.3(A) Answer the following questions. [03]
- 1) React uses _____ Case for event names.
 - 2) What is Event?
 - 3) What is List Rendering?
- Que.3(B) Answer the following questions. (Any Two) [06]
- 1) Difference between functional and class components.
 - 2) What is Binding Event Handler in React?
 - 3) Explain map() with example.
 - 4) Explain React Fragment with example.
- Que.3(C) Answer the following question. (Any One) [05]
- 1) Discuss Rendering in detail.
 - 2) Explain Components Life Cycle.

- Que.4(A) Answer the following questions. [03]
- 1) Full form of HOC.
 - 2) To fetch data in React _____ library is used.
 - 3) Why use React.memo?
- Que.4(B) Answer the following questions. (Any Two) [06]
- 1) Explain Memo in React with example.
 - 2) Explain forwarding Refs with example.
 - 3) Explain Http with React.
 - 4) How to Get data using library in React?
- Que.4(C) Answer the following question. (Any One) [05]
- 1) Discuss Portals in detail.
 - 2) Explain HOC with example.
- Que.5(A) Answer the following questions. [03]
- 1) What are Hooks in React?
 - 2) What is useContext Hooks?
 - 3) What is useReducer Hooks?
- Que.5(B) Answer the following questions. (Any Two) [06]
- 1) Explain useContext with example.
 - 2) Explain useReducer with example.
 - 3) Explain useState with example.
 - 4) Difference between useState and useReducer.
- Que.5(C) Answer the following question. (Any One) [05]
- 1) What is useEffect hook in React? Explain in detail.
 - 2) How to combine useContext with useReducer?
