

M.Sc.(IT & CA) Semester - 2 (CBCS) Examination
March/April – 2026 (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.

Que.1(A)	Answer the following questions	(03)
	1. What is Express JS? 2. What is ES6 classes? 3. What is Java script?	
Que.1(B)	Answer the following questions (ANY TWO)	(06)
	1. Explain Events in JS. 2. Explain Routing in Express JS. 3. Explain ES6 functions. 4. Explain ES6 Promises.	
Que.1(C)	Answer the following questions (ANY ONE)	(05)
	1. Explain Loops in JS. 2. Explain functions in Java script with example.	
Que.2(A)	Answer the following questions	(03)
	1. What is Props? 2. What is JSX? 3. What is ReactJS?	
Que.2(B)	Answer the following questions (ANY TWO)	(06)
	1. Explain basic components of ReactJS. 2. Explain props in ReactJS with example. 3. Explain class components of ReactJS. 4. Explain ReactJS Methods.	
Que.2(C)	Answer the following questions (ANY ONE)	(05)
	1. How to create ReactJS app? 2. Write steps for Installation of ReactJS.	
Que.3(A)	Answer the following questions	(03)
	1. What is Fragment? 2. What is rendering? 3. What is Pure Components?	
Que.3(B)	Answer the following questions (ANY TWO)	(06)
	1. Explain Conditional Rendering. 2. Explain Index as Key Anti-pattern in rendering. 3. Explain Binding event handlers. 4. Explain Components Updating Lifecycle methods.	
Que.3(C)	Answer the following questions (ANY ONE)	(05)
	1. Explain Basic form handling. 2. Explain Components Mounting Life Cycle Methods.	
Que.4(A)	Answer the following questions	(03)
	1. What is Memo? 2. What is GET? 3. What is POST?	

- Que.4(B) Answer the following questions (ANY TWO) (06)
1. What is Refs with class components? Explain it.
 2. Explain Portals.
 3. What is Forwarding Refs? Explain it.
 4. What is Higher Order Components? Explain it.
- Que.4(C) Answer the following questions (ANY ONE) (05)
1. Explain HTTP and React.
 2. Explain Rendering Props and Context.
- Que.5(A) Answer the following questions (03)
1. What is useState with array?
 2. What is useEffect with cleanup?
 3. What is fetching with object?
- Que.5(B) Answer the following questions (ANY TWO) (06)
1. Explain Fetching data with useEffect.
 2. Explain complex state and action.
 3. What is useContext Hook? Explain it.
 4. Explain conditionally run effects.
- Que.5(C) Answer the following questions (ANY ONE) (05)
1. Explain React Hooks in detail.
 2. Difference between useState vs useReducer
