



Time : 2:30 Hours

Instructions: All questions are compulsory.

Total Marks : 70

Seat No. _____

- Q.3 (D) Write a note on (Any one out of two)
- 1 Explain props and state in ReactJS with examples.
 - 2 Write a detailed note on React application structure.

Q.3

- (A) Answer the following:
- 1 Event handling in React is similar to _____.
 - 2 Lists in React are rendered using _____ method.
 - 3 _____ method is called after component is mounted.
 - 4 Forms in React are controlled using _____.
- (B) Answer in brief (Any one out of two)
- 1 What is event binding?
 - 2 What is index as key anti-pattern?
- (C) Answer in detail (Any one out of two)
- 1 Explain event handling in React with example.
 - 2 Describe basic form handling in React.

- (D) Write a note on (Any one out of two)
- 1 Describe mounting and updating lifecycle methods with examples.
 - 2 Explain event handling and binding in ReactJS with examples.

Q.4

- (A) Answer the following:
- 1 React.memo is used for _____ optimization.
 - 2 HOC stands for _____.
 - 3 POST method is used to _____ data.
 - 4 HTTP stands for _____.
- (B) Answer in brief (Any one out of two)
- 1 What is HTTP in React?
 - 2 What is a GET request?
- (C) Answer in detail (Any one out of two)
- 1 Explain Refs in React with use cases.
 - 2 Explain Context API in React.
- (D) Write a note on (Any one out of two)
- 1 Explain React.memo and performance optimization techniques.
 - 2 Write a detailed note on advanced React concepts.

Q.2

- (A) Answer the following:
- 1 JSX stands for _____.
 - 2 setState() is used to _____ the state.
 - 3 React was developed by _____.
 - 4 Components are the _____ blocks of React.
- (B) Answer in brief (Any one out of two)
- 1 What are props in React?
 - 2 What is the folder structure of a React app?

(C) Answer in detail (Any out of two)

- 1 Differentiate between functional and class components.
- 2 Explain state in ReactJS.

Q.5

- (A) Answer the following:
- 1 Hooks were introduced in React version _____.
 - 2 Cleanup function in useEffect is used to _____ resources.
 - 3 Incorrect dependency in useEffect may cause _____ loop.
 - 4 useState returns _____ values.
- (B) Answer in brief (Any one out of two)

- 1 What is the previous state in useState?
- 2 What is data fetching in React?

(C) Answer in detail (Any one out of two)

- 1 Explain useEffect with a cleanup function.
- 2 Differentiate between useState and useReducer.

(D) Write a note on (Any one out of two)

- 1 Explain the useReducer hook with simple and complex examples.
- 2 Write a detailed note on modern React using Hooks.

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