

## React JS MCQs 5

Topics : [React JS](#)

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41. Which of the following lifecycle methods is called only once, after the initial render?
- a) `componentWillMount`
  - b) `componentDidMount` **(Correct Answer)**
  - c) `componentDidUpdate`
  - d) `componentWillUnmount`
42. In React, what is the purpose of the `key` prop when rendering a list of components?
- a) It defines the style of each list item
  - b) It helps React identify which items have changed, are added, or are removed in the list **(Correct Answer)**
  - c) It sets the initial state of each list item
  - d) It specifies the order of the list items
43. Which hook is used for memoizing the result of a function so that it is only recomputed when its dependencies change?
- a) `useMemo` **(Correct Answer)**
  - b) `useCallback`
  - c) `useEffect`
  - d) `useRef`
44. What is the purpose of the `shouldComponentUpdate` method in React?
- a) To fetch data from an API before the component updates
  - b) To determine if a component should re-render by returning true or false **(Correct Answer)**
  - c) To update the component's state
  - d) To perform side effects after the component updates
45. In React, what is the recommended way to handle forms?
- a) Using regular HTML form elements
  - b) Using controlled components where form data is handled by React state **(Correct Answer)**
  - c) Using uncontrolled components where form data is handled by the DOM
  - d) Using Redux for form state management

46. Which of the following is NOT a valid use case for React context?

- a) Theme management
- b) Localization
- c) Managing application-wide state **(Correct Answer)**
- d) Passing props between deeply nested components

47. What is the purpose of the setState function in React?

- a) To update the component's state **(Correct Answer)**
- b) To define the initial state of a component
- c) To fetch data from an API
- d) To subscribe to context changes

48. Which hook is used to perform side effects in functional components?

- a) useState
- b) useEffect **(Correct Answer)**
- c) useContext
- d) useReducer

49. In React, how can you conditionally render components?

- a) By using the if-else statement inside the render method
- b) By using ternary operators inside JSX **(Correct Answer)**
- c) By using switch statements inside JSX
- d) By using the renderIf function

50. Which of the following is a benefit of using React JS?

- a) Improved performance due to the use of virtual DOM
- b) Reusability of components
- c) Easy integration with other libraries and frameworks
- d) All of the above **(Correct Answer)**