React JS MCQs 2

Topics : React JS
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11. What is the purpose of keys in React lists?

   - a) To uniquely identify list items and help React identify which items have changed, added, or removed **(Correct Answer)**
   - b) To apply styling to list items
   - c) To determine the order of list items
   - d) Keys are not used in React lists

12. Which method is used to conditionally render components in React?

   - a) renderIf()
   - b) renderConditionally()
   - c) render() method with if-else statements
   - d) render() method with conditional rendering syntax like ternary operators or logical && **(Correct Answer)**

13. What is the purpose of PropTypes in React?

   - a) To define types for React components
   - b) To specify default values for props
   - c) To validate the props passed to a component **(Correct Answer)**
   - d) PropTypes are not used in React

14. Which of the following is used to manage state across multiple components in React?

   - a) Redux **(Correct Answer)**
   - b) useState hook
   - c) Context API
   - d) Props drilling

15. In React, what is the recommended way to perform side effects such as data fetching or DOM manipulation?

   - a) Inside the constructor of the component
   - b) Inside the render method
   - c) Using lifecycle methods like componentDidMount() or useEffect() hook **(Correct Answer)**
   - d) Using setTimeout()

16. Which of the following is true about PureComponent in React?

   - a) It is deprecated in favor of functional components
   - b) It automatically implements shouldComponentUpdate() with a shallow prop and state comparison **(Correct Answer)**
   - c) It is used for defining stateful components
   - d) It is used for server-side rendering in React

17. What is the purpose of the ref attribute in React?

   - a) To reference an external JavaScript file
   - b) To create a reference to a DOM element or a React component instance **(Correct Answer)**
   - c) To define the relative path of a component
   - d) To specify the location of a resource

18. Which method is called after the component is updated and the DOM has been re-rendered in React?

   - a) componentDidUpdate() **(Correct Answer)**
   - b) componentWillUpdate()
   - c) componentWillMount()
   - d) componentDidRender()

19. What is the purpose of React Fragments?

   - a) To create virtual DOM elements
   - b) To improve performance by reducing unnecessary re-renders
   - c) To group multiple children without adding extra nodes to the DOM **(Correct Answer)**
   - d) To apply animations to React components

20. Which of the following is NOT a hook provided by React?

   - a) useState()
   - b) useEffect()
   - c) useContext()
   - d) createClass()