

## **React.js Questions:**

**1. What is React.js mainly used for?**

- A.Backend development
- B.Building user interfaces
- C.Database management
- D.Mobile operating systems

**Answer: B**

**2. Who developed React.js?**

- A.Google
- B.Facebook
- C.Microsoft
- D.Twitter

**Answer: B**

**3. Which of the following is TRUE about components in React?**

- A.Components must be class-based only
- B.Components can be reused
- C.Components cannot have state
- D.Components must be stored in a single file

**Answer: B**

**4. In React, what are props used for?**

- A.To store component's internal state
- B.To pass data from one component to another
- C.To trigger lifecycle events
- D.To define CSS styles

**Answer: B**

**5. Which of these is NOT a React feature?**

- A.Component-based architecture
- B.Two-way data binding by default
- C.Virtual DOM
- D.JSX syntax

**Answer: B**

**6. Which hook is used to manage state in a functional component?**

- A. useReducer
- B. useState
- C. useEffect
- D. useMemo

**Answer: B) useState**

**7. What is the correct syntax to pass a prop named name with value "John" to a component Greeting?**

- A. `<Greeting {name="John"} />`
- B. `<Greeting name="John" />`
- C. `<Greeting name: "John" />`
- D. `<Greeting prop.name="John" />`

**Answer: B) `<Greeting name="John" />`**

**8. What will the following code render?**

```
function App() {  
  const [count, setCount] = React.useState(0); setCount(count + 1);  
  return <h1>{count}</h1>;  
}
```

- A. Infinite loop
- B. 0
- C. 1
- D. undefined

**Answer: A) Infinite loop**

**9. In React, what does useMemo primarily help with?**

- A. Caching function definitions
- B. Preventing unnecessary recalculations of a value
- C. Creating event handlers
- D. Storing component state

**Answer: B) Preventing unnecessary recalculations of a value**

**10. Which method is used in class components to fetch data after the component mounts?**

- A. `componentWillMount`
- B. `componentDidMount`
- C. `shouldComponentUpdate`
- D. `componentWillUpdate`

**Answer: B) `componentDidMount`**