Below are 10 multiple-choice questions. Choose the **best** answer after reading all the options:

1. **What is the output of the following code? { } === { }**
   1. True
   2. Could be true if both hold same references to the memory
   3. False, for sure
   4. Both A and C
   5. Both B and D
2. **Which of the following is a primitive data type?**
   1. Boolean
   2. Object
   3. Number
   4. String
   5. Both A and C
   6. Both B and D
   7. A, C and D
3. **What is the purpose of the useState hook in React?**
   1. To manage side effects
   2. To manage component state
   3. To handle routing
   4. To perform data fetching
4. **In React, how can you handle form input changes?**
   1. Using Redux
   2. Using the useEffect hook
   3. Using controlled components
   4. Using props
5. **How do you handle authentication and authorization in API calls in React?**
   1. Using localStorage
   2. Using cookies
   3. Sending credentials in headers
   4. All of the above
6. **What is the role of Redux?**
   1. Handling side effects
   2. Managing global state
   3. Handling form submissions
   4. Handling component lifecycle
   5. Debugging states and props values in applications easily
7. **How does React Router help in creating a Multi-Page React app?**
   1. By automatically generating pages
   2. By allowing the creation of multiple HTML files
   3. By dynamically updating components based on routes
   4. By using iframes for each page
8. **What is the main advantage of using the context API over props drilling in React?**
   1. Improved performance by avoiding passing props every time
   2. Simplified data passing between components using a shared state (source of truth)
   3. Better code organization and readability
   4. None of the above
9. **How does React handle forms in terms of data binding?**
   1. One-way binding
   2. Two-way binding
   3. Three-way binding (React Component, Global State and DOM)
   4. No binding is involved in React forms
   5. None of the above
10. **What is the purpose of keys in React when rendering a list of components?**
    1. To improve performance and enforce security in the rendered components
    2. To uniquely identify elements, track changes and efficiently update just the relevant elements in the DOM instead of re-painting the whole list in the DOM
    3. To control the order of rendering elements
    4. To be able to access the component using that key as a unique identifier