1. What is React.js?  
a) Open-source JavaScript back-end library  
b) JavaScript front-end library to create a database  
c) Free and open-source JavaScript front-end library  
d) None of the mentioned

2. What is JSX in React?  
a) JavaScript Execution  
b) JavaScript XML  
c) JavaScript Extra  
d) None of the mentioned

3. React.js is primarily used for which of the following?  
a) Backend Development  
b) Database Management  
c) Frontend Development  
d) Mobile App Development

4. Which of the following acts as the input of a class-based component?  
a) Class  
b) Props  
c) Factory  
d) None of the mentioned

5. What is the main purpose of JSX in React?  
a) Database Query Language  
b) JavaScript Function  
c) CSS Styling  
d) HTML-like syntax

6. React.js is written in which of the following language?  
a) C  
b) C++  
c) JavaScript  
d) Java

7. How many elements can a valid react component return?  
a) React doesn’t return element  
b) 1 Element  
c) More than 1 element  
d) None of the mentioned

8. In which of the following directory React Components are saved?  
a) Inside js/components/  
b) Inside components/js/  
c) Inside vendor/js/components/  
d) Inside vendor/components/

9. Which of the following command is used to Install create-react-app?  
a) npm install create-react-app  
b) npm install -f create-react-app  
c) npm install -g create-react-app  
d) install -g create-react-app

10. Which hook is used to manage state in functional components?  
a) useState  
b) useReducer  
c) useEffect  
d) useRef

11. Which of the following is method is not a part of ReactDOM?  
a) ReactDOM.hydrate()  
b) ReactDOM.destroy()  
c) ReactDOM.createPortal()  
d) All of the mentioned

12. Which of the following is correct about prop in react?  
a) Can be changed inside another component  
b) Can be changed inside the component  
c) Cannot be changed in the component  
d) All of the mentioned

13. What is the virtual DOM in React?  
a) A DOM management system  
b) A method to update the real DOM directly  
c) A server-side DOM  
d) A virtual version of the actual DOM

14. Which of the following is used to pass data to a component from outside in React?  
a) props  
b) render with arguments  
c) setState  
d) PropTypes

15. What is the purpose of ‘React.StrictMode’?  
a) To add animations  
b) To improve performance  
c) To enhance UI  
d) To add additional validation checks

16. Which of the following is NOT a valid React hook?  
a) useContext  
b) useState  
c) useReturn  
d) useEffect

17. How do you create a React application?  
a) Using Node.js  
b) Writing plain JavaScript  
c) Using ‘npx create-react-app’ command  
d) Using HTML

18. Which of the following is true about React components?  
a) A component must return only a single element  
b) A component cannot accept props  
c) A component must be a function  
d) A component cannot have state

19. In React, what is a ‘component’?  
a) A method used for side effects  
b) A function that takes props and returns UI  
c) A class used to manage state  
d) A system for routing

20. Which of the following is true about React Hooks?  
a) Hooks can be used in class components  
b) Hooks can only be used in functional components  
c) Hooks are used to manage props  
d) Hooks are not supported in React

21. What is ‘React Router’ used for?  
a) To handle routing in a React app  
b) To manage the state in React  
c) To perform side effects  
d) To create components

22. Which of the following statements is true about React?  
a) React automatically handles DOM updates efficiently  
b) React is slower than vanilla JavaScript  
c) React uses a single-threaded approach for rendering  
d) React does not support components

23. Which of the following is used to display the UI in React?  
a) view()  
b) display()  
c) render()  
d) show()

24. How do you pass dynamic values in JSX?  
a) Using props  
b) Using JavaScript expressions within curly braces  
c) Using the state property  
d) Using plain text

25. What does the ‘render’ method do in React?  
a) Updates the state  
b) Displays the UI  
c) Defines the component structure  
d) Initiates API calls