React Js Quiz Set-1

1. What is difference between "==" and "==="?
a) same, no difference
b) formerly compares variable by making type correction
c) formerly compares variable without type correction
d) None

2. When will the browser invoke the handler?
a) Program begins
b) Any event occurs
c) Specified event occurs
d) Webpage loads

3. Which form of event propagation handles the registered container elements?
a) Event Propagation
b) Event Registration
c) Event Capturing
d) Default Actions

4. The keyword or the property that you use to refer to an object through which they were invoked is _____
a) from
b) to
c) this
d) object

5. Props are _____ into other components
a) Injected
b) Methods
c) Both A and B
d) All of these

6. JSX is typesafe.
a) True
b) False

7. Arbitrary inputs of components are called _____.
a) Keys
b) Props
c) Elements
d) Ref

8. Which of the following API is reuired for every ReactJS component?
a) getInitialState
b) render
c) renderComponent
d) None

9. What is use of "webpack" command?
a) Transpiles all the Javascript down into one file
b) Runs react local development server
c) Both A and B
d) None

10. At the highest level, React components have lifecycle events that fall into
a) Initialization
b) State/Property Updates
c) Destruction
d) All of these

11. How many elements does a react component return?
a) 2 Elements
b) 1 Element
c) Multiple Elements
d) None

12. What is the use of refs?
a) The ref is used to return a reference to the element.
b) The ref is used to return a reference to the react hook.
c) The ref is used to return a reference to the class.
d) None

13. What is true about Virtual DOM?
a) It is an in-memory representation of Real DOM.
b) The representation of a UI is kept in storage and synced with the "real" DOM.
c) Reconciliation is a step that happens between event and the calling functions.
d) All are true.

14. What are controlled components?
a) Components those are controlled by virtual DOM.
b) A component that controls the input elements within the forms on subsequent user input is called Controlled Component
c) A component that has no controll on how input element are called.
d) None

15. What are the different phases of component lifecycle?
a) Mounting,Updating and Unmounting
b) Render, Pre-commit and Commit
c) Both
d) None

16. Which one of following is not a lifecycle method as per React 16.3+
a) getDerivedStateFromProps
b) componentDidMount
c) shouldComponentUpdate
d) shouldComponentCommit

17. HOC can be used for many use cases:

a) Code reuse, logic and bootstrap abstraction.
b) Render hijacking.
c) State abstraction and manipulation.
d) Props manipulation.
e) All of the above

18. Does lazy function supports named exports?
a) React.lazy function supports default and named exports.
b) React.lazy function does not support exports.
c) React.lazy function supports default exports only.
d) None

19. What are fragments?
a) Fragments let you group a list of children without adding extra nodes to the DOM.
b) Fragments let you group a list of components without adding extra code to the DOM.
c) Fragments let you group a list of extra nodes to the DOM.
d) None

20. The snippet that filters the filtered set is:
a) var t=new FilteredSet(s, {function(s) {return !(x instanceof Set);});
b) var t=new FilteredSet{function(s) {return !(x instanceof Set);});
c) var t=new FilteredSet(s, {function(s) {return (x instanceof Set);});
d) var t=new FilteredSet(s, {function(s) {return x;});

21. What will be the output of the following Javascript code?
function person()
{
**   this.name = 'john';**
}
function obj()
{
**   obj.call(this)**
}

obj.prototype = Object.create(person.prototype);
const app = new obj();
console.log(app.name);

a) undefined
b) runtime error
c) compilation error
d) john

22. In React state can be accessed using _____.
a) current
b) state
c) current()

d) state()

23. Invoked once, only on the client, after rendering occurs.
a) componentWillUnmount
b) shouldComponentUpdate
c) componentWillMount
d) componentDidMount

24. React considers everything as _____.
a) User interface
b) elements
c) components
d) Objects

25. What are stateful components?
a) If the behaviour of a component is dependent on the state of the component
b) If the behaviour of a component is dependent on the state of the elements
c) If the behaviour of a component is dependent on the life cycle of the component
d) None

26. Which of the following is not correct in set of predefined prop types:
a) PropTypes.number
b) PropTypes.props
c) PropTypes.array
d) PropTypes.object

27. Which of the following is not appropriate
a) Increases the application's performance with Virtual DOM.
b) JSX makes code easy to read and write.
c) It renders both on client and server side (SSR).
d) Not Easy to integrate with frameworks (Angular, Backbone) since it is only a view library.

28. The react-dom package provides DOM-specific methods that can be used at the top level of your app. Most of the components are not required to use this module. Some of the methods of this package are as below, which one is not correct?
a) render()
b) hydrate()
c) unmountComponentAtNode()
d) findDOMNode()
e) createProps()

29. Is below code correct example of using styles in React?
```
const divStyle = {
  color: 'blue',
  backgroundImage: 'url(' + imgUrl + ')'
};

function HelloWorldComponent() {
  return <div style={divStyle}>Hello World!</div>
}
```

a) True
b) False

30. The initialization of state from props only runs when the component is first created.
a) True
b) False

31. What is the lifecycle methods order in mounting?
a) 1)constructor(),2)static getDerivedStateFromProps(),3)render(),4)componentDidMount()
b) 1)static getDerivedStateFromProps(),2)constructor(),3)render(),4)componentDidMount()
c) Order does not matter here
d) Both (a) and (b) are incorrect

32. A switching component is a component that renders one of many components. We need to use object to map prop values to components.
a) True
b) False

33. What is Babel?
a) A transpiler.
b) An interpreter
c) A Compiler
d) Both Compiler and Transpilar

34. In React what is used to pass data to a component from outside?
a) setState
b) render with arguments
c) props
d) PropTypes

35. Which one is not correct to use React, without rendering HTML?
a) render() {
  return false
}
b) render() {
  return null
}
c) render() {
  return []
}
d) render() {
  return <React.Fragment></React.Fragment>
}
e) render() {
  return <></>
}
f) render() {
  return undefined
}

Answers:
1(b),2(c),3(c),4(c),5(b),6(a),7(b),8(c),9(a),10(d),11(c),12(a),13(a),14(b),15(c),16(d),17(e),18(c),19(a),
20(a),21(d),22(b),23(d),24(c),25(a),26(b),27(d),28(e),29(a),30(a),31(a),32(a),33(d),34(d),35(f)