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**INSTITUTE OF COMPUTER APPLICATIONS & MANAGEMENT (BVICAM)**  
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## QUIZ – 1: Full Stack Development (MCA-114)

**Enrollment No. and Name:** ... ..

**Time:** 15 Minutes

**Maximum Marks:** 15

1. What is the purpose of React Components?
  - a) Managing database connections
  - b) Handling server-side logic
  - c) Building user interfaces into reusable pieces
  - d) Controlling browser settings
2. How is data passed between React components?
  - a) Using global variables
  - b) Through function parameters
  - c) Via HTTP requests
  - d) Using props
3. What is the Virtual DOM in React used for?
  - a) Storing user authentication data
  - b) Efficiently updating and rendering components
  - c) Managing server-side rendering
  - d) Handling API requests
4. In React, what does the term "props" stand for?
  - a) properties
  - b) Procedure
  - c) Prototypes
  - d) Parameters
5. How does React Router help in navigation within a React application?
  - a) By creating hyperlinks between components
  - b) Enabling server-side rendering
  - c) Facilitating client-side routing
  - d) Managing global state
6. What is the purpose of the map function in React when rendering lists of components?
  - a) Styling list items
  - b) Iterating over array elements and rendering components
  - c) Sorting array elements
  - d) Filtering array elements
7. In In the JSON syntax, data is separated by \_\_\_\_\_
  - a) Colons
  - b) Commas
  - c) Hyper
  - d) Semicolon
8. In the JSON syntax, array is written within in \_\_\_\_\_
  - a) Paratheses
  - b) Square brackets
  - c) Curley braces
  - d) None of the above
9. Which is the correct example of a JSON object with name, age, and city?.
  - a) {"record"={"name": "Alex", "age": 21, "city": "London"}}
  - b) {record:{"name": "Alex", "age": 21, "city": "London"}}
  - c) {"record": {"name": "Alex", "age": 21, "city": "London"}}
  - d) {"record": {"name": Alex, "age": 21, "city": London}}
10. Which of the following is correct about statelessness in context of RESTful web service?

- a) As per REST architecture, a RESTful web service should not keep a client state on server.
- b) It is responsibility of the client to pass its context to server and then server can store this context to process client's further request.
- c) Both of the above
- d) None of the above

**11.** Which of the following HTTP method should be used to delete resource using RESTful web service?

- a) GET
- b) DELETE
- c) POST
- d) None of the above

**12.** What is URI?.

- a) Uniform resource Identifier
- b) Uniform rest identifier
- c) Uniform resource identity
- d) Uniform rest identity

**13.** What is the purpose of Redux in React applications?

- a) To handle form validation and submission.
- b) To manage and synchronize component states.
- c) To define the expected data types of component props.
- d) To create reusable UI components.

**14.** Which of the following are the advantages of React.js?.

- a) React.js can increase the application's performance with Virtual DOM.
- b) React.js is easy to integrate with other frameworks such as Angular, BackboneJS since it is only a view library.
- c) React.js can render both on client and server side.
- d) All of the above

**15.** Which of the following is the correct name of React.js?

- a) React
- b) React.js
- c) ReactJS
- d) All of the above