

## Quiz Questions | Answers

### Module 5 | Lesson 5.1 – React

#### 1. What is React?

- A:** A JavaScript front-end library geared to building user interfaces.
- B:** A JavaScript runtime environment that can be run on different platforms to help build server applications.
- C:** A package manager for the publishing of open-source JavaScript projects.
- D:** A scripting language that mimics and resembles the JavaScript language.

**Answer:** A - A JavaScript front-end library geared to building user interfaces.

#### 2. React provides an API with simple and intuitive methods to traverse and manipulate the DOM.

- A:** True
- B:** False

**Answer:** B - False

#### 3. What is the term used to describe the syntax extension that allows us to write XML-like syntax in JavaScript?

- A:** Virtual DOM
- B:** `ReactDOM.render()` functions
- C:** JSX
- D:** Props

**Answer:** C - JSX

#### 4. In React, which of the following best describes what state and props are?

- A:** State is the smallest building block of React applications and props represent how events are handled in React.
- B:** State is an object of input properties passed from a parent component while props is an object that controls how a component behaves.
- C:** State and props both represent the data that determines how a component behaves.
- D:** State is an object that determines how the component behaves while props are input properties that allow the passing of data from parent components to child components.

**Answer:** D - State is an object that determines how the component behaves while props are input properties that allow the passing of data from parent components to child components.

#### 5. Function components cannot keep track of state.

- A:** True
- B:** False

**Answer:** B - False