Q1. Explain React components.

Ans: In react, components are building blocks of the web application. They are reusable, have their own state, props and rendering technique.

* They accept props.
* Return React elements (JSX).
* Components can be either Class based or function based.
* A component must have a parent root tag.

Q2. Types of React components.

Ans: There are two types of components in React

1. Class Based components.
2. Function Based Components.

Q3. Explain Class Component.

Ans: Class components are ES6 classes that extend React.Component.

Example:

Class Student extends Component {

render() {

return(

<h1> Hello, I am a Student </h1>

);

}

}

Q4. Explain Function Component

Ans: Function components are JavaScript functions that accept props and returns JSX.

Modern function components also use state and hooks like useState, useEffect etc.

Q5. Define component constructor.

Ans: In class components, the constructor() method initialises state. It is the first method called when the component is created.

Q6. Define render() function.

Ans: The render() method in a class component returns JSX that describes how the web application should look like or we can say it describes what should appear on the page.

It is called every time the component’s state changes.