

2311000501020002

M. Sc. (COMP.APPLI.) (Semester – I)

Examination December 2023

Web Development and Design

Seat No:

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[Time: Three hours]

[Max. marks: 70]

Student's Signature

- Q.1** Attempt any 7 **14**
1. Differentiate between Real DOM and Virtual DOM
 2. What is DOM
 3. List out any four methods of Math object
 4. What are refs in React?
 5. List out various parts of Redux?
 6. How do you create an event in React?
 7. Explain purpose of render() in React.
 8. Why browsers unable to read JSX?
 9. Who can you update the state of a component?
- Q.2** Attempt any 2 **14**
1. Explain methods of String object.
 2. Explain user define function in java script with example.
 3. Explain the way to create Navigation in React JS. Also explain Nested Routing with an example.
- Q.3** Discuss following (any 2) **14**
1. What is Routing? Explain Routing process in React JS with example.
 2. Explain Life cycle of React JS components.
 3. What is JSX? Explain with example why we use JSX.
- Q.4** Attempt any 2: **14**
1. What is Redux? Explain types of Reducers.
 2. How to Handle Errors in React? Explain with example.
 3. Explain Expense Rest Api Server with an example.

Q.5 Attempt any 2

14

1. Explain logging, crash reporting and routing in Redux.
2. Explain Redux App structure in detail.
3. Explain various data types in JavaScript with an example.