

RAN-2611001006022001

B.Sc. (Comp. Sci.) (Semester-VI) Examination March - 2026
Major-2-Web Development using reactjs (TH)
(CS-603-MJ2-Web Development using reactjs (TH) (New)

Time: 1 Hours]
[Total Marks: 25

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.	Seat No.: Student's Signature
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- Q-1. Answer the following. 05**
- 1) React applications are mainly built using:

a) Modules
b) Components

c) Controllers
d) Packages
 - 2) Which hook is used to perform side effects?

a) useState
b) useEffect

c) useContext
d) useReducer
 - 3) Props in React are:

a) Mutable
b) Immutable

c) Global
d) Optional
 - 4) React Router provides which type of routing?

a) Server-side
b) Static

c) Client-side
d) File-based
 - 5) Redux Thunk is used for handling:

a) Styling
b) Forms

c) Asynchronous actions
d) Routing
- Q-2. A) Differentiate functional components vs. class components with their advantages. 04**
- OR**
- Q-2. A) Write a note on lifecycle methods of React components. 04**
- Q-2. B) Explain forms and controlled components in React. 04**
- OR**
- Q-2. B) How to implement form validation using React? State with example. 04**
- Q-3. A) Write a note on event handling with suitable example in React. 04**
- OR**

- Q-3.** A) Explain handling user input using forms in React. **04**
- Q-3.** B) Explain setting up routes in a React application with example. **04**
- OR**
- Q-3.** B) Write a note on NavLink and Redirect components with their usage. **04**
- Q-4.** A) How asynchronous actions using Redux Thunk can be utilized in React? **04**
- OR**
- Q-4.** A) Explain React Hooks with useState, useEffect, useContext. **04**
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