


RAN-2311000501020002

M.Sc. (Computer Application) (Sem. - I) Examination November - 2025
Web Development and Design (TH)

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
 Fill up strictly the above details on your answer book.

Seat No.:

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Student's Signature

Q. 1. [A] Write answers of following Multiple Choice Questions (Any 4 out of 5) (04)

- How do you create a function in JavaScript?
 E. function myFunction()
 F. def myFunction()
 G. create myFunction()
 H. function:myFunction()
- In JSX, how do you embed a JavaScript expression within HTML-like syntax?
 E. {}
 F. []
 G. ()
 H. <>
- What does Redux use to manage the state of an application?
 E. Props
 F. Reducers
 G. Context API
 H. Hooks
- Which method is used to create Redux store?
 E. createStore()
 F. initializeStore()
 G. configureStore()
 H. buildStore()
- What is the role of logging middleware in Redux?
 E. To perform API requests
 F. To log actions dispatched to the store
 G. To route components
 H. To manage application state

Q. 1. [B] Write answers for the following (Any 4 out of 5) (04)

- Describe the useEffect hook in React.
- List and describe the main types of middleware in Redux
- What is the purpose of getElementById() method in JavaScript?
- What is the use of document.write() in JavaScript?
- What is the role of reducers in a Redux store?

Q. 2 [A] Describe the lifecycle of a React component. **(05)**

OR

Q. 2. [A] Write notes on Exception handling in react. **(05)**

Q. 2. [B] Explain the concept of nested routes in React Router with an example. **(04)**

Q. 3. Write answers for the following (Any 2 out of 3) **(08)**

1. Describe how to connect Redux to functional components using hooks
 2. Explain the process of creating custom middleware in a React application
 3. How can you create and manipulate date objects in JavaScript? Explain with examples.
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