

Course Code	: 2101CS304	Date	: 09-11-2023
Course Name	: Web Technology	Duration	: 150 Minutes
		Total Marks	: 70

Instructions:

1. Attempt all the questions.
2. Figures to the right indicates maximum marks.
3. Make suitable assumptions wherever necessary.

- Q.1 (A)** Explain var, let and const with example. **4**
- (B)** List any six inbuilt functions of array and explain any two of them. **3**

OR

List any four methods of document object and explain any two of them.

- (C)** Write a program that prompts the user for a string and then print true if it is palindrome and false otherwise. **7**

OR

Write a program that prompts the user to enter their birthdate, print whether year in birthdate is leap year.

- Q.2 (A)** Describe JSX template in ReactJS. **4**
- (B)** Illustrate useState(),useParam and useNavigate() hooks. **3**

OR

Express Form handling in ReactJS.

- (C)** Demonstrate react router with at least three routes. **7**

OR

Create a react component in which if user clicks on a button then It will return list of friends from the array of object.

Note: If button is not clicked, then there will be one message displayed "please click on button to render my friends".

- Q.3 (A)** Explain every aspects of useEffect() hook. **4**
- (B)** Demonstrate consuming getAll and getById API using ReactJS. **10**

OR

Demonstrate consuming updateById and Delete API using ReactJS.

- Q.4 (A)** Explain NodeJS process model with diagram. **4**

- (B)** List down types of NodeJS modules and explain any two core modules. **3**

OR

Explain file system in NodeJS.

- (C)** Apply http module to create a basic NodeJS server. **7**

OR

Demonstrate Implementation of Routing in Node.js.

- Q.5 (A)** Explain mongoose Schema and its applications. **4**

- (B)** Create an express server which serves getAll, and getById requests. **10**

OR

Create an express server which serves updateById, and delete requests.
