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RAN-2111040103040002

MCA (Sem. - III) Examination April - 2025

Full Stack Technology

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

MCA (Sem. - III)

Name of the Subject :

Full Stack Technology

Subject Code No.: **2111040103040002**

Seat No.:

Student's Signature

Q.1 Answer the following questions (Any 7)

14

1. What is DOM?
2. What is the use of innerHTML property?
3. What do you mean by Asynchronous Javascript?
4. What is a request object?
5. What is Mongoose?
6. What does a promise object represent?
7. What are handlebars?
8. How can you create an object in JavaScript?
9. Why can't browsers read JSX?

Q.2 A. Explain EJS template engine.

7

B. Explain the difference between frontend and backend development?

7

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Q.3 A. Give a brief about Axios. And explain the get request and put request methods with suitable examples. 7

B. What are the javascript objects? Explain different ways to create new javascript objects? 7

OR

Q.3 A. Explain the find method of arrays with example. 7

B. What is middleware? List types of middleware and explain at least two types with examples. 7

Q.4 A. Explain Class Component Life Cycle methods with example. 7

OR

Q.4 A. Explain use State and use Context hook methods with suitable examples. 7

B. Explain the use Effect hook in React. When and why would you use it? Provide an example. 7

Q.5 A. Write a code for following. (Any Two) 10

1. Create a server using express on port 3100.
2. Create a node server and send Hello world with current date to browser from port 2100.
3. Create a registration form with fields name, email and password using use State.

B. Answer the following questions 4

1. Specify the function of the push method of array?
2. What is the use of a view engine?