

2111040103040002
EXAMINATION MARCH-APRIL 2024
MASTER OF COMPUTER APPLICATIONS
(THIRD SEMESTER)
FULL STACK TECHNOLOGY LEVEL 4

[Time: As Per Schedule]

[Max. Marks: 70]

Instructions:

- 1. Fill up strictly the following details on your answer book**
 - a. Name of the Examination : **MASTER OF COMPUTER APPLICATIONS (THIRD SEMESTER)**
 - b. Name of the Subject : **FULL STACK TECHNOLOGY LEVEL 4**
 - c. Subject Code No : **2111040103040002**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Answer the following questions (Any 7)

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- 1) What is the HTML DOM?
- 2) What is the use of parseInt ()?
- 3) What does req.params property does?
- 4) What is a request object?
- 5) What is a template engine?
- 6) Define the props in react.
- 7) Define the term hook. List out hook methods.
- 8) What is the key benefit of optional chaining?
- 9) Why can't browsers read JSX?

Q.2 (A) What is version control? What are the benefits of using a version control System? 7

(B) Explain the difference between frontend and backend development? 7

Q.3 (A) Explain use Reducer, use Call back and use Memo hook methods with Suitable examples. 7

(B) What are the JavaScript objects? Explain different ways to create new JavaScript objects? 7

OR

- (A) Explain the find method of arrays with example. 7
(B) Explain spread and rest operators with example 7

- Q.4** (A) List out the different phases of the class component. And explain the updating phase and unmounting phase. 7

OR

- (A) Explain use State, use Effect and use Context hook methods with suitable Examples. 7
(B) What is middleware in express js? List and explain any one middleware in Detail. 7

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

- 1) Create a server using express on port 3100.
- 2) How is a file uploaded and downloaded from a webpage using express-file upload?
- 3) What is local Storage? Explain it's use with example.

- (B) Answer the following questions** 4

- 1) Explain use of a sync in express.js with example.
- 2) What is the use of a view engine?
