

**END SEMESTER EXAMINATION - MARCH 2024**  
**SEMESTER 6 - INTEGRATED M.Sc. PROGRAMME COMPUTER SCIENCE**  
**COURSE : 21UP6CRMCP20EL - FULL STACK PROGRAMING TECHNIQUES**  
(For Regular - 2021 Admission)

Time : Three Hours

Max. Weightage: 30

**PART A**

**Answer any 8 Questions**

1. List any two examples of online HTML editors.
2. State the use of `<noscript>` tag.
3. State the significance of projection parameter in querying data.
4. Name the three important components of a node.js application.
5. List any two examples of relational databases.
6. Interpret the meaning of the following style:  
`margin: 1px 2px 3px 4px;`
7. State the significance of the *App.js* file in React.
8. State the use of React webpack.
9. State the purpose of NodeJS.
10. Name any two methods by which JavaScript can display text output.

**(1 x 8 = 8 Weight)**

**PART B**

**Answer any 6 Questions**

11. Explain how type selectors are used for styling in CSS. Write example for the same.
12. Explain the working environment of Node.js.
13. Explain the use of `break` statement in JavaScript with an example.
14. Write short notes on relational and logical operators in JavaScript with an example.
15. With an example for each, differentiate between `find()` and `findOne()` methods in MongoDB.
16. Explain how lists are rendered in React. Write a sample program illustrating the same.
17. Explain how links can be established among HTML pages. Create a sample HTML page demonstrating the same.
18. Discuss the working of React in the client side.

**(2 x 6 = 12 Weight)**

**PART C**

**Answer any 2 Questions**

19. Discuss how branched execution of statements work in JavaScript.
20. With a sample program, explain how props are managed using functional components.
21. With a sample HTML code, prepare detailed note on ordered and unordered list tags.
22. Elaborate on the implementation of update operators supported by MongoDB.

**(5 x 2 = 10 Weight)**