

School of Computing Science and Engineering

B.Tech CSE
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem IV - E1UA402B - Full Stack Development Using React and Node JS

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. Explain the difference between synchronous and asynchronous request in a web application. K1 CO1 (5)
2. Propose a new feature for React than can handle upcoming changes in web development domain.. K2 CO2 (5)
3. How does MongoDB scale? K3 CO3 (5)
4. Compare and contrast different types of HTML form elements. K5 CO4 (10)

OR

- Differentiate between sql-based and no-sql databases. K5 CO3 (10)
5. List the major libraries use in NodeJS for back-end development. K3 CO3 (10)
 6. Explain the benefits of using a database in a web application? K2 CO4 (10)
 7. Identify the different elements of the HTML document. K1 CO2 (10)
 8. Explain how MongoDB can be used to store data for a ReactJS application. K4 CO3 (15)

OR

- Evaluate the pros and cons of different Full Stack Development frameworks. K4 CO3 (15)
9. Explain how the virtual DOM works. K3 CO2 (15)
 10. Describe the different types of ReactJS components. K4 CO2 (15)