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| KONGU ENGINEERING COLLEGE, PERUNDURAI - 638 060 |
| CONTINUOUS ASSESSMENT TEST – I |
| (Regulation 2020) |
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| Month and Year | : | September2023 | Roll Number | : |  |
| Programme | : | B.Tech. | Date | : | 02.09.2023 |
| Branch | : | IT | Time | : | 2:30PM to 4:00PM |
| Semester | : | V | Duration | : | 1½ Hours |
| Course Code | : | 20ITE03 | Max. Marks | : | 50 |
| Course Name | : | User Interface Design |  |  |  |

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| **PART ­- A (10 × 2 = 20 Marks)** | | | | | |
| **ANSWER ALL THE QUESTIONS** | | | | | |
|  | State the role of reconciliation in ReactJS. | | | CO1 | K1 |
|  | Compare Arrow function with Javascript normal function in ES6 version of Javascript. | | | CO1 | K2 |
|  | Write prerequisite and steps to create react application. | | | CO1 | K1 |
|  | Differentiate DOM with Virtual DOM. | | | CO1 | K2 |
|  | Write a ReactJS code to display “Hello World” in browser. | | | CO1 | K3 |
|  | Write a Create Element of ReactJS code for following tag information  <div style=”color:red;border:1”> Welcome to My Home Page</div> | | | CO1 | K3 |
|  | Write a ReactJS program to create state object in react. | | | CO2 | K3 |
|  | Define functional component with example. | | | CO2 | K1 |
|  | Identify the components of class component with constructor. | | | CO2 | K2 |
|  | Write a dynamic content creation program using map function to display the following fruit names [‘apple’, ‘orange’, ’mongo’, ’grapes’, ’pomegranate’]. | | | CO1 | K3 |
| **Part – B (3× 10 = 30 Marks)** | | | | | |
| **ANSWER ANY THREE QUESTIONS** | | | | | |
| 11. | i) | Create a JavaScript Object to store student information and write a function to display the student information. | (6) | CO1 | K2 |
|  | ii) | Illustrate key components and Features of ReactJS | (4) | CO1 | K2 |
| 12. | i) | Tell about different mechanisms of applying style to components? Illustrate styling components using CSS with example program. | (7) | CO1 | K3 |
|  | ii) | Create a component that renders an unordered list (<ul>) with list items (<li>) containing nested elements.  <ul> <li>Product 1</li>  <li> Product 2</li>  <li> Product 3</li> </ul> | (3) | CO1 | K3 |
| 13. | i) | With explanation, Write a functional component based ReactJS program to record the number of visitors for your website. | (4) | CO2 | K2 |
|  | ii) | Tell about different import and export options of ReactJS with example. | (6) | CO2 | K2 |
| 14. | i) | 1. Create a ReactJS based web application for online agriculture product sales company. The requirements of the concern are, 2. 1. Header ( Company Name and Logo) 3. 2. Content (About Company) 4. 3. List Product( To display product name, image, price, quantity) 5. 4. Footer (Copyright info, Year and Contact information)   Create components with necessary styling features. | (10) | CO2 | K3 |
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| Bloom’s Taxonomy Level | Remembering  (K1) | Understanding  (K2) | Applying  (K3) | Analysing  (K4) | Evaluating  (K5) | Creating  (K6) |
| Percentage | 10.00 | 43.33 | 46.67 |  |  |  |