

CODE : INT252
P DEVELOPMENT WITH REACT JS

Before attempting the question paper
every student must sign out of all the given questions, if some other
person signs, it shall lead to cancellation of the examination.
The student must sign the answer sheet to the invigilator before leaving the
hall very carefully in the space provided.

Signature of student: [Signature]

Signature of candidate: [Signature]
(Examiner)

Signature of invigilator: _____

Name of invigilator: _____

UID: _____

Signature of Examiner: _____

Signature of Examiner: _____

Have verified that the candidate has attempted the allocated question only

Write a React code to build a simple search filter functionality to display a filtered list
on the search query entered by the user
Create a simple counter using React which increments or decrements count dynamically on
each user clicks on the button.

Q2 a) Write a React code to print each item from the list on the page using Array map()
b) Create an accordion that toggles text content on click of the accordion header using React
State

Q3 a) Write a React code to create an image slide, where users can view multiple images
with next/previous buttons.
b) Write a React code to display a checklist with multiple options that can select and the selected
options are dynamically displayed on the screen.

Q4 a) Write a React code for simple login form where the user login by entering their
username and password. The form inputs are validated to check if correct information is
entered and the error messages are the validation fails. The login form is hidden and the
"Welcome, \$(name)" message is shown when the user login is successful.
b) Write a React code to collect data from rest API using fetch() in JavaScript combined with
useEffect() to load the content on page render.

Q5 a) Write a React code to develop a multipage application with navigation for Home, About
and Blog pages. The route-based component rendering is implemented using the "react-
dom" npm package to allow users to navigate to different pages and render the component
with respect to the route.
b) Create a context that allows values to be passed from multiple levels of child components
without using props.

Q6 a) Create a React code to add two numbers. Insert two textboxes and a button
inserting values in text boxes, user should be able to add two numbers with the
button.
b) Create a React code to disable a button using the concept of controlled component.

PUR No: 22220/IT/12518

252

WITH REACTJS

- Q7 a) Create a React code to hide element on the screen with the click of a button.
b) Create a calculator that can perform basic arithmetic operations (addition, subtraction, multiplication, and division).
- Q8 a) Create a form that takes in a name and email address and displays the entered data below the form.
b) Create a dashboard that visualizes data from an API (You may consider a fake Rest API).
- Q9 a) Create a React code to demonstrate `componentDidMount()` and `componentDidUpdate`.
b) Demonstrate different type of CSS styling in React.
- Q10 a) Demonstrate form validation in React. Whenever an input control is left blank, a message must display on the web page. For example, if you are applying validation on "Name" field, then it must display, "Name is mandatory".
b) Display the following list using `createElement()`.
- Michael Jackson
 - The Weeknd
 - Shakira
 - Britney Spears

— End of Question Paper —