ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Requirements
Q1	Create a React form that uses destructuring to extract values and the spread operator to update the state object on input change.	CO1, CO2, CO3,	L3: Apply	Use appropriate hooks and data can be 3-4 field in form/object.

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Supporting data
Q2	Develop a class component in JavaScript for `Employee` objects; instantiate several and display them in a React component using array mapping and JSX. .	CO1, CO2, CO3,	L3: Apply	Use Id , name and Role field.

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q3	Write a custom React hook that uses refs (`useRef`) and `useEffect` to focus an input field after rendering. Use arrow functions and consider using the rest parameter when handling variable field lists.	CO1, CO2, CO3,	L3: Apply	Use appropriate hooks and data can be 3-4 field in form/object.

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q4	Create a class-based and a functional React component that each accept props and render a list of books. Use destructuring, spread operator, and array reverse methods to manipulate list order.	CO1, CO2, CO3,	L3: Apply	Books can have the id, title and author field.

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Requiments
Q5	Render a contact list using data imported from a module. Use `forEach` in a utility function to print metrics to the console while rendering. Style the component using external CSS and inline styles.	CO1, CO2, CO3,	L3: Apply	use Id , name email fields.

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q6	Create the theme swither components using the appropriate hooks/components from react library.	CO1, CO2, CO3,	L3: Apply	Use appropriate hooks/methods and data can be 3-4 field in form/object based upon question.

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q7	Make a React component for orders, using `filter()` to show only pending orders and `reduce()` for total value.	CO1, CO2, CO3,	L3: Apply	Use appropriate hooks/methods and data can be 3-4 field in form/object based upon question.

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q8	Write a functional React component that uses `useState`, `useEffect`, and `map()` to fetch and display all list not from API .list may have id and name field.	CO1, CO2, CO3,	L3: Apply	Use appropriate hooks/methods and data can be 3-4 field in form/object based upon question.

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q9	Design a component that uses `find()` to locate and display details for a selected product (id , name , price , description) when a button is clicked.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q10	Create the component to Style alternate table rows in a React component using both inline CSS styles and TailwindCSS classes.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q11	Create the component for counter to increase , decrease and reset the value by using the use reducer and other hooks if required.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q12	Use array destructuring in a React hook to manage multiple states (e.g., `[count, setCount], [name, setName]`).	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q13	Access and use custom props in class-based React components, demonstrating destructuring and prop spreading .write the code of app.jsx also.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q14	Combine arrays of configurationA, configurationB, and configurationC values in a component using the spread operator and display with JSX.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q15	Write a reusable card component styled with CSS Modules that conditionally displays data based on props.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q16	Build a feedback widget: collect responses in an array, use `forEach` to summarize, and render results in React. use `const options = ["Excellent", "Good", "Average", "Poor"];`	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q17	Create a event handler to an arrow function, ensuring proper `this` binding in a class component.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q18	Create a React form that uses destructuring to extract values and the spread operator to update the state object on input change.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q19	Use `Array.from()` to create a synthetic list and render with a `.map()` in React in a class component.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q20	Demonstrate the use of the useReducer hooks for collecting form data in component and showing through JSX.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q21	Make a functional component for displaying weather info; use a module for utility calculations like change of the Celsius to fahrenhiet and kelvin.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q22	Show the difference in lifecycle handling between class and functional components for the same counter logic.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q23	Use the rest parameter for a utility arrow function that aggregates multiple rating values, used in a React component.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q24	Develop a filtered and sorted product grid using array methods, styled with CSS Modules and TailwindCSS.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q25	Implement a component for resizing the window and showing the window size in pixel use useEffect hook and add event listner functions.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q26	Build a notification system using the hooks, and array methods on the notifications list.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q27	Use a combination of modules, destructuring, and arrow functions to process and display user statistics.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q28	Make a React Stopwatch with hooks (`useState`, `useEffect`), using array methods for lap history.	CO1, CO2, CO3,	L3: Apply	

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Use sample data
Q29	Write a hook that uses `useMemo` and `reduce()` to compute and memoize expensive summary data.	CO1, CO2, CO3,	L3: Apply	`[ { id: 1, value: 10 }, { id: 2, value: 20 }, { id: 3, value: 30 }, ];`

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	

ANNEXURE-1

Standard Template for Academic Tasks (25261)

Academic Task Number: CA-1 **Course code:** INT252
Course title: web development using React JS **Maximum Marks: 30**

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q30	Demonstrate the use of the useReducer hooks for collecting form data in component and showing through JSX.	CO1, CO2, CO3,	L3: Apply	Take 4 different field in form.

Important Note:

Rubrics	Marks
Code writing- 15 marks	
Code Implementation – 10 marks	
Viva – 5 Marks	