HO-003-3082002

M. Sc. (IT & CA) (Sem. II) (CBCS)
(W.E.F. 2022) Examination
April - 2023
CS - 08 : REACTJS & EXPRESSJS

Faculty Code : 003
Subject Code : 3082002

Time : $2\frac{1}{2}$ Hours / Total Marks : **70**

1	(a)	Objective type questions :	**4**
		(1) What is javascript?	
		(2) What is the use of variable in javascript?	
		(3) What is ES6 promises?	
		(4) ES6 is also known as _____.	
	(b)	Answer in brief : (any **one**)	**2**
		(1) Explain ExpressJS.	
		(2) Explain if....else in javascript.	
	(c)	Answer in detail : (any **one**)	**3**
		(1) Explain ES6 class.	
		(2) Describe UDF in javascript.	
	(d)	Write a note on : (any **one**)	**5**
		(1) Explain Express.js Routing.	
		(2) How will you use template engine with Express? Explain.	
2	(a)	Objective type questions :	**4**
		(1) What is ReactJS?	
		(2) What is JSX?	
		(3) ReactIS component extends _____ class ?	
		(4) Give 3 parameters of React.createElement.	

(b) Answer in brief : (any **one**)   2

   (1) What is React state?

   (2) Give steps to install ReactJS.

(c) Answer in detail : (any **one**)   3

   (1) How to create first ReactJS app?

   (2) Explain creating a ReactIS functional component.

(d) Write a note on : (any **one**)   5

   (1) Explain Architecture of React application.

   (2) Explain class component of ReactJS.

3 (a) Objective type questions :   4

   (1) What is the use of ReactJS component?

   (2) What is mounting in component Life cycle API?

   (3) What is the use of ReactJS bind() method?

   (4) What is Fragments?

(b) Answer in brief : (any **one**)   2

   (1) Explain updating lifecycle method.

   (2) What is list and keys in ReactJS?

(c) Answer in detail : (any **one**)   3

   (1) Explain conditional rendering.

   (2) Explain any 3 event handlers.

(d) Write a note on : (any **one**)   5

   (1) Explain component Life cycle API.

   (2) How will you add form and handle that form with ReactJS?

4 (a) Objective type questions :   4

   (1) What is memo?

   (2) What is refs?

   (3) HOC stands for _____ ?

   (4) HTTP stands for _____ ?

(b) Answer in brief : (any **one**)   2

   (1) What are portals?

   (2) Explain higher order component?

    (c)   Answer in detail : (any **one**)   **3**

        (1)   What is the use of forwarding Refs?

        (2)   Explain rendering props.

    (d)   Write a note on : (any **one**)   **5**

        (1)   Explain POST HTTP request in ReactJS.

        (2)   Explain reference with class components.

5   (a)   Objective type questions :   **4**

        (1)   What are hooks in React?

        (2)   Explain useEffect Hook.

        (3)   What is Reducer in React?

        (4)   Give syntax of useReducer.

    (b)   Answer in brief : (any **one**)   **2**

        (1)   Explain useContext.

        (2)   Explain useEffect with cleanup.

    (c)   Answer in detail : (any **one**)   **3**

        (1)   How will you fetch the data using useEffect?

        (2)   What are the 3 stages of Reducers?

    (d)   Write a note on : (any **one**)   **5**

        (1)   How will you manage the complex state in React with useReducer?

        (2)   Explain creating an Array state with useState.

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