



Seat No. _____

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

00148

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) ReactJS 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 ReactJS 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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