

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2019-2020 and thereafter)

B.C.A. DEGREE EXAMINATION – NOVEMBER 2023
FIFTH SEMESTER

COURSE : MAJOR CORE
PAPER : FUNCTIONAL WEB DEVELOPMENT
SUBJECT CODE: 19CS/MC/FW54
TIME : 1 ½ HOURS

MAX. MARKS: 50

SECTION – A

ANSWER ALL THE QUESTIONS

(10 X 1 = 10)

1. There are _____ ways of defining your variables in ES6.
 - a. 1
 - b. 3
 - c. 4
 - d. 5
2. Object literal enhancement is _____.
 - a. Destructuring
 - b. Opposite of destructuring
 - c. Declarative Programming
 - d. Imperative Programming
3. In a functional program, data is _____.
 - a. Mutable
 - b. Immutable
 - c. Functional
 - d. Declarative
4. Refs are a feature that allow React components to interact with _____.
 - a. Parent element
 - b. Root element
 - c. Node element
 - d. Child element
5. Isomorphic applications are applications that can be rendered on _____.
 - a. Client side only
 - b. Server side only
 - c. Both the client side and server-side
 - d. None of the mentioned
6. _____ and _____ are the two ways to handle data in React.
7. _____ command is used to create a new React app
8. _____ is the library used to actually render the UI in the browser.
9. _____ provides a way of working with the children of a particular component.
10. Forms transform your website into a _____

SECTION – B

ANSWER ALL THE QUESTIONS:

(5 X 2 = 10)

11. What are the features of React?
12. What is the significance of Virtual DOM?
13. List out the phases of React Component life cycle.
14. Define Hash router.
15. What is the difference between isomorphism and universalism in React?

SECTION - C**ANSWER ANY SIX OF THE FOLLOWING:****(6 X 5 = 30)**

16. Explain ES6 Objects and Arrays with example.
17. Describe pure function in React with example.
18. Illustrate the concept of Recursion in React.
19. How can we incorporate state within our React components? Explain.
20. Write in detail about Flux that complements the functional approach of React.
21. How to add a form with basic button and text input in React?
22. Discuss in brief about the ability to setting up routing parameters of React Router?
23. Explain Universal Routing.
