B.C.A. DEGREE EXAMINATION – NOVEMBER 2024
FIFTH SEMESTER

COURSE   : MAJOR CORE
PAPER   : FUNCTIONAL WEB DEVELOPMENT
SUBJECT CODE: 19CS/MC/FW54
TIME   : 1 ½ HOURS   MAX. MARKS: 50

SECTION A

ANSWER <u>ALL</u> THE FOLLOWING   **(10 X 1 = 10)**

Choose the correct answer:

1. Which of the following is correct about JavaScript?
   a) JavaScript is an Object-Based language
   b) JavaScript is Assembly-language
   c) JavaScript is an Object-Oriented language
   d) JavaScript is a High-level language

2. Variables in JavaScript can be declared using _____ keyword.
   a) var   b) let   c) Both a & b   d) eval
   c) Few functions return values by default   d) some functions do not return any value

3. When setState() is called inside render() method, _____ of the following events takes place.
   a) duplicate key error   b) repetitive output
   c) nothing happens   d) stack overflow error

4. Route components are used with content that should be displayed only when specific URLs are _____
   a) Unmatched   b) Matched
   c) Combined   d) None of the above

5. _____ is the default port where webpack-server runs.
   a) 3000   b) 8080   c) 3030   d) 6060

Fill in the blanks:

6. React.js is written in _____ language.

7. _____ acts as the input of a class-based component.

8. _____ command is used to Install create-react-app.

9. The React Router passes _____ to the components that it renders.

10. Using the _____.renderToString method allows us to render UI on the server.

SECTION B

ANSWER ALL THE FOLLOWING (5x2=10)

11. What is destructuring assignment?
12. What is virtual DOM?
13. What are refs in react?
14. What are the form modules?
15. What is universal routing?

SECTION C

ANSWER ANY SIX QUESTIONS (6x5=30)

16. Explain about arrow functions in JavaScript.
17. Differentiate imperative Versus declarative functional programming with example for each.
18. Explain React elements as JSX with suitable examples.
19. Discuss about the mounting phase in the react component's lifecycle with examples.
20. Discuss on how to incorporate react routers.
21. Explain about reducers in Redux.
22. Explain Universal Redux.
23. Discuss the CRUD operations in ReactJS.

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