**Set-A**

1. Create a Web Page using HTML which contains a Heading, Image and 2 hyperlinks. Each hyperlink opens a new page in the same web browser. New page contains “Go Back” link that takes you to the main page.
2. Write a HTML program to create a Registration form, which contains User Name, Password, Date of Birth, Gender, Mail-id, Contact number, Address and submit button.
3. Create a web page to demonstrate Position Property in CSS.
4. Create a Newspaper Style Design to print minimum 2 articles using HTML and CSS.
5. Write a JavaScript program to change the background color after clicking “change color” button.
6. Write a JavaScript program to perform arithmetic operations.
7. Write a code to hide and show an element in a periodic interval without any action from the user using JQuery.
8. Write a program to create and Build a star rating system using JQuery.
9. Write a program to demonstrate ReactJS Class and Instance.
10. Demonstrate simple event handling examples using ReactJS.
11. Write a program to create a basic calculator to perform arithmetic operations using ReactJS (using controlled components).
12. Write a program to create a simple voting application system using ReactJS.

**Set-B**

1. Write a JavaScript program to validate the registration page using regular expression.
2. Create a webpage to display “Hello World” using SERVLET.
3. Create a webpage to display “Hello <username>” using SERVLET
4. Write a Servlet to read servlet initialization parameters.
5. Write a servlet to read employees data from database table.
6. Implement a web application using SERVLET, which takes a name as input and on submitting it, shows a hello page. It shows start time at the right top comer of the page and provides a logout button. On clicking logout button, it should show a logout page with Thank You message with the duration of usage (hint: Use session to store name and time).
7. Write a JSP program to find a factorial of the given number.
8. Write a JSP to read employees data from database table using JSTL.
9. Create a user validation web application using JSP, where the user submits the login name and password to the server. The name and password are checked against the data already available in database and if the data matches, a successful login page is returned. Otherwise show a failure message to the user.
10. Demonstrate a simple example of Spring web MVC framework.
11. Create a simple example of Hibernate application using eclipse IDE.
12. Create an application to demonstrate Hibernate Query Language.