**St. Xavier’s College (Autonomous), Kolkata**

**Paper Name: Internet Technologies** **Paper Code: HCSCR5112P** **Semester: 5 (2022-2023)**

1. Write a script in JS to greet the user based on system time. For example, if the script is run between 5 AM to 11:59 AM, the message in the browser should be good morning.

2. Write a script in JS to create a continuous slide show of 5 pictures. Appropriate time interval should be maintained.

3. Write a script in JS to display numbers in a given range entered by user through text fields which are both prime and Fibonacci.

4. Write a script in JS to fetch a random number between 1 to 12 from a text box. Print the corresponding month name in an alert box. For example, if the generated random number is 6, the month name displayed should be JUNE.

5. Write a script in JS to design a system clock and display it at the middle of the screen.

6. Write a script in JS to accept the favorite colour of a user in the form of a prompt. Change the colour of the browser window accordingly. Incorrect inputs should be handled appropriately.

7. Write a script in JS to display all 6 levels of HTML headings on the click of a button.

8. Write a script in JS using onMouseOver to change the colour of the browser window depending on any four buttons of your choice.

9. Write a script in JS to initialize an array of integers. Accept user input from a text box. Using binary search, check and print whether the element is present in the array or not.

10. Write a script in JS to check and print whether the current year is a leap year or not.