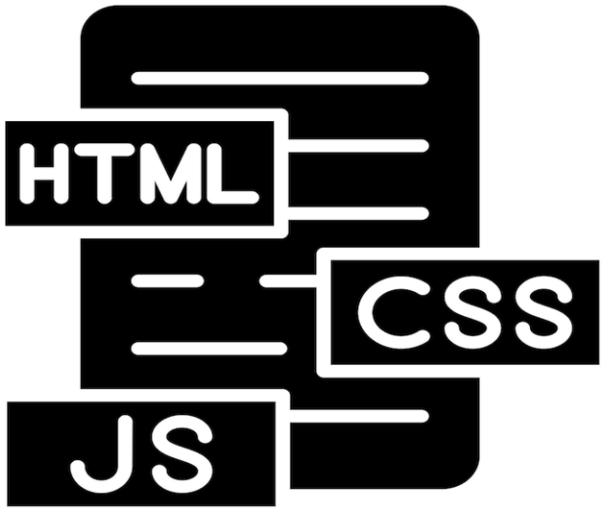
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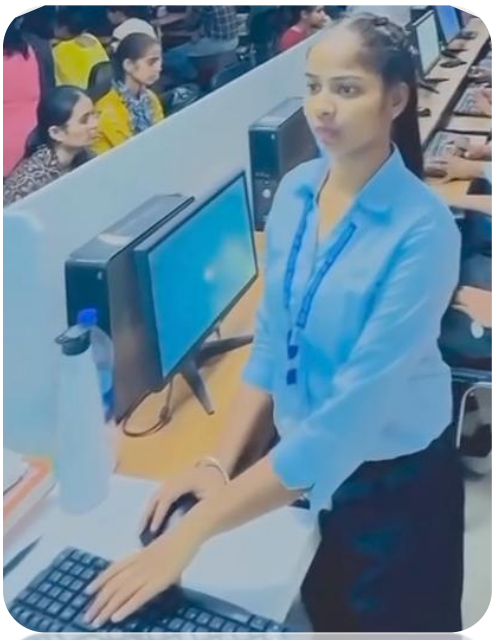
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ISO 9001 : 2015 Certified

M2 R5.1 EXAMINATION –SHIFT-1-ANALYSIS

PR-2 (10 FEBRUARY 2026)





EXAMS MEASURE EFFORT AS MUCH AS KNOWLEDGE.

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Question No. 1

Write an application that receives the following information from a set of students.
The application should also display the information of all the students once the data is entered:

- **Student Id**
- **Student Name**
- **Course Name**
- **Date of Birth**

SOLUTION:-

```
<html>
    <head>
        <title>Student Information</title>
    </head>
    <body>

        <h2>Student Details Form</h2>

        <form>

            Student Id:<br>
            <input type="text" name="sid"><br><br>

            Student Name:<br>
            <input type="text" name="sname"><br><br>

            Course Name:<br>
            <input type="text" name="course"><br><br>

            Date of Birth:<br>
            <input type="date" name="dob"><br><br>

            <input type="submit" value="Submit">

        </form>

        <h3>Student Information</h3>

        <p>
            Student Id: _________ <br>
            Student Name: _________ <br>
            Course Name: _________ <br>
            Date of Birth: _________
        </p>

    </body>
</html>
```

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Question No. 2

Implement a web application that takes name and age from an HTML page.

If the age is less than 18, it should send a page with:

“Hello, you are not authorized to visit the site”

(where Hello should be replaced with the entered name).

Otherwise, it should send:

“Welcome to this site”

SOLUTION:-

```
<html>
    <head>
        <title>Age Validation</title>
    </head>

    <body>

        <h2>Enter Details</h2>

        Name:<br>
        <input type="text" id="name"><br><br>

        Age:<br>
        <input type="number" id="age"><br><br>

        <button onclick="checkAge()">Submit</button>

        <p id="result"></p>

        <script>
            function checkAge()
            {
                var name = document.getElementById("name").value;
                var age = document.getElementById("age").value;

                if (age < 18)
                {
                    document.getElementById("result").innerHTML =
                    "Hello " + name + ", you are not authorized to visit the site";
                }
                else
                {
                    document.getElementById("result").innerHTML =
                    "Welcome to this site";
                }
            }
        </script>

    </body>
</html>
```

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Question No. 3

Develop and demonstrate JavaScript with POP-UP boxes and functions for the following problems:

a)
Input: Click on *Display Date* button using `onclick()` function
Output: Display date in the textbox

SOLUTION a):-

```
<html>
    <head>
        <title>Display Date</title>
    </head>

    <body>

        <h2>Display Current Date</h2>

        <input type="text" id="datebox">

        <br><br>

        <button onclick="showDate()">Display Date</button>

        <script>
            function showDate()
            {
                document.getElementById("datebox").value = Date();
            }
        </script>

    </body>
</html>
```

b)
Input: A number *n* obtained using `prompt`
Output: Factorial of *n* number using `alert`

SOLUTION b):-

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```html
<html>
    <head>
        <title>Factorial Program</title>
    </head>

    <body>

        <h2>Factorial Using JavaScript</h2>

        <button onclick="factorial()">Find Factorial</button>

        <script>
            function factorial()
            {
                var n = prompt("Enter a number");
                var fact = 1;

                for(var i = 1; i <= n; i++)
                {
                    fact = fact * i;
                }

                alert("Factorial of " + n + " is " + fact);
            }
        </script>

    </body>
</html>
```

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