

SEC Practical

Name – Arjun Kumar

Roll No- 240813

Q-1-

```
<!DOCTYPE html>
<html>
<head>
  <title>Formatted Document</title>
  <style>
    body {
      background-color: lightblue;
    }
  </style>
</head>
<body>
  <h1 style="color: red;">This is a Title</h1>
  <p style="font-size: 18px; font-weight: bold;">This paragraph has
<b>bold</b>, <i>italic</i>, and <u>underlined</u> text.</p>
  <hr>
  <font face="Arial" color="blue" size="4">This is custom font text.</font>
  <br>
  <marquee>Scrolling marquee text!</marquee>
  <p><a href="https://andc.du.ac.in">Acharya Narendra Dev College</a>.</p>
</body>
</html>
```

This is a Title

This paragraph has bold, *italic*, and underlined text.

This is custom font text.

[Acharya Narendra Dev College](https://andc.du.ac.in).

Q-2-

```
<!DOCTYPE html>
<html>
<head>
  <title>Lists and Links</title>
</head>
<body style="background-color:lightgreen">
  <h1>Ordered and Unordered Lists</h1>
  <ol>
    <li>Item 1</li>
    <li>Item 2</li>
    <li>Item 3</li>
  </ol>
  <ul>
    <li>First</li>
    <li>Second</li>
    <li>Third</li>
  </ul>
  
  <br>
  <a href="https://www.andc.du.ac.in">Visit Colleg</a>
</body>
</html>
```

Ordered and Unordered Lists

1. Item 1
2. Item 2
3. Item 3

- First
- Second
- Third



[Visit Colleg](https://www.andc.du.ac.in)

Q-3-

```
<!DOCTYPE html>
<html>

<head>
  <Div style="background-color: lightpink;">
    <h1 style="color: rgb(255, 136, 0);text-align:center">Acharya Narendra
Dev college</h1>
    <h3 style="font-size: medium; text-align:center">University of
Delhi</h3>
  </Div>
  <title>B.Sc(H)Physics Timetable</title>
  <style>
    table,
    th,
    td {
      border: 1px solid black;
      border-collapse: collapse;
    }

    tr:nth-child(even) {
      background-color: rgba(149, 226, 226, 0.4);
    }

    th:nth-child(even),
    td:nth-child(even) {
      background-color: rgba(126, 206, 206, 0.4);
    }

    tr:hover {
      background-color: #90b1e2;
    }

    th:hover {
      background-color: #c4f53d;
    }

    td:hover {
      background-color: #c4f53d;
    }
  </style>
</head>

<body>

  <h1>B.voc.(S.D.) Timetable</h1>

  <table>
```

```

<tr>
  <th>Day/Time</th>
  <th>08:45-09:45</th>
  <th>09:45-10:45</th>
  <th>10:45-11:45</th>
  <th>11:45-12:45</th>
  <th>12:45:-01:15</th>
  <th>01:15-02:15</th>
  <th>02:15-03:15</th>
  <th>03:15-04:15</th>
  <th>04:15-05:15</th>
</tr>
<tr>
  <td>Monday</td>
  <td>AEC (P18)</td>
  <td></td>
  <td>Dsc: MP lab ()</td>
  <td>Dsc: MP lab () </td>
  <td></td>
  <td>AEC:See the time table of AEC</td>
  <td>GE/DSE:See<br>The Time-Table of GE/DSE</td>
</tr>
<tr>
  <td>Tuesday</td>
  <td></td>
  <td></td>
  <td>Dsc: MP lab ()</td>
  <td>Dsc: MP lab () P-35</td>
  <td></td>
  <td>GE/DSE:See<br>The Time-Table of GE/DSE</td>
  <td>VAC:See<br>The Time-Table of VAC</td>
</tr>
<tr>
  <td>Wednesday</td>
  <td>Sem 1-DSC:<br>Waves and oscilation </td>
  <td>Sem 1-DSC:<br>Waves and oscilation </td>
  <td></td>
  <td>Sem 1-DSC:<br>Waves and oscilation </td>
  <td></td>
  <td>>AEC:See the time table of AEC</td>
  <td>SEC:See the time table of SEC</td>
</tr>
<tr>
  <td>Thursday</td>
  <td></td>
  <td>Sem 1-SEC :<br>Front and Web designing </td>
  <td>Sem 1-SEC :<br>Front and Web designing G03</td>

```

```

        <td>Sem 1-DSC:<br></td>
        <td>SEC:See the time table of SEC</td>
        <td colspan="2">AEC:See the time table of AEC</td>
    </tr>
    <tr>
        <td>Friday</td>
        <td>Sem 1-DSC:<br>MP Lab</td>
        <td>Sem 1-DSC:<br>MP Lab</td>
        <td>Sem 1-DSC:<br>Waves and oscilation P-35</td>
        <td>Sem 1-DSC:<br>Waves and oscilation P-35</td>
        <td colspan="2">VAC:See<br>The Time-Table of VAC</td>
        <td colspan="2">SEC:See the time table of SEC</td>
    </tr>
</table>

</body>

</html>

```



Acharya Narendra Dev college

(University of Delhi)

B.Sc.(H)Physics Timetable

Day/Time	08:45-09:45	09:45-10:45	10:45-11:45	11:45-12:45	12:45-01:15	01:15-02:15	02:15-03:15	03:15-04:15	04:15-05:15
Monday	AEC (P18)		Dsc: MP lab ()	Dsc: MP lab ()		AEC:See the time table of AEC	GE/DSE:See The Time-Table of GE/DSE		
Tuesday			Dsc: MP lab ()	Dsc: MP lab () P-35		GE/DSE:See The Time-Table of GE/DSE	VAC:See The Time-Table of VAC		
Wednesday	Sem 1-DSC: Waves and oscilation	Sem 1-DSC: Waves and oscilation		Sem 1-DSC: Waves and oscilation		AEC:See the time table of AEC	SEC:See the time table of SEC		
Thursday		Sem 1-SEC : Front and Web designing	Sem 1-SEC : Front and Web designing G03	Sem 1-DSC:	SEC:See the time table of SEC	AEC:See the time table of AEC			
Friday	Sem 1-DSC: MP Lab	Sem 1-DSC: MP Lab	Sem 1-DSC: Waves and oscilation P-35	Sem 1-DSC: Waves and oscilation P-35	VAC:See The Time-Table of VAC		SEC:See the time table of SEC		

Q-4-

```
<!DOCTYPE html>
<html>
<head>
  <title>College Website</title>
  <style>
    body {
      margin: 0;
      background-color: lightyellow;
    }
    #topFrame {
      height: 20%;
      width: 100%;
      border: none;
    }
    #content {
      display: flex;
      height: 80%;
    }
    #leftFrame {
      flex: 3;
      border: none;
    }
    #rightFrame {
      flex: 7;
      border: none;
    }
  </style>
</head>
<body>
  <iframe id="topFrame" src="top.html"></iframe>
  <div id="content">
    <iframe id="leftFrame" src="left.html"></iframe>
    <iframe id="rightFrame" src="home.html"></iframe>
  </div>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
  <style>
    body {
```

```

        font-family: Arial, sans-serif;
        background-color: #333;
        color: white;
        margin: 0;
        padding: 0;
        display: flex;
        align-items: center;
        justify-content: center;
    }
    h1 {
        margin: 0;
    }
    img {
        height: 50px;
        margin-right: 15px;
    }
</style>
</head>
<body>
    
    <h1>Acharya narendra Dev College</h1>
</body>
</html>

```

```

<!DOCTYPE html>
<html>
<head>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            margin: 0;
            padding: 15px;
        }
        a {
            display: block;
            margin-bottom: 10px;
            text-decoration: none;
            color: #333;
            font-weight: bold;
        }
        a:hover {
            color: #007BFF;
        }
    </style>

```

```

</head>
<body>
  <h3>Navigation</h3>
  <a href="faculty.html" target="rightFrame">Faculty</a>
  <a href="courses.html" target="rightFrame">Courses</a>
  <a href="activities.html" target="rightFrame">Student Activities</a>
  <a href="contact.html" target="rightFrame">Contact</a>
</body>
</html>

```

```

<!DOCTYPE html>
<html>
<head>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }
  </style>
</head>
<body>
  <h1>Welcome to Acharya Narendra Dev College</h1>
  <p>Select an option from the left to view more details.</p>
</body>
</html>

```

```

<!DOCTYPE html>
<html>
<head>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }
  </style>
</head>
<body>
  <h1>Our Faculty</h1>
  <p>Meet our experienced faculty members:</p>
  <ul>
    <li>Dr. - Physics</li>
    <li>Dr. - Mathematics</li>
    <li>Prof. - Chemistry</li>
  </ul>

```



```
    </ul>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }
  </style>
</head>
<body>
  <h1>Courses Offered</h1>
  <ul>
    <li>B.Sc Physics</li>
    <li>B.Sc Mathematics</li>
    <li>B.Sc Computer Science</li>
    <li>B.Sc Chemistry</li>
  </ul>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }
  </style>
</head>
<body>
  <h1>Student Activities</h1>
  <ul>
    <li>Workshops</li>
    <li>Research Projects</li>
    <li>Sports Events</li>
  </ul>
</body>
```

```
</html>
```

```
<!DOCTYPE html>
<html>
<head>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }
  </style>
</head>
<body>
  <h1>Contact Us</h1>
  <p>Email: principal@andc.du.ac.in</p>
  <p>Phone: 011-26293224</p>
</body>
</html>
```



Acharya narendra Dev College

Navigation

Faculty

Courses

Student Activities

Contact

Welcome to Acharya Narendra Dev College

Select an option from the left to view more details.

Q-5 & 8-

```
<!DOCTYPE html>
<html>
<head>
  <title>Student Registration Form</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
      background-color: lightblue;
    }
    form {
      max-width: 500px;
      margin: auto;
      padding: 20px;
      border: 1px solid #ccc;
      border-radius: 10px;
      background-color: #f9f9f9;
    }
    label {
      display: block;
      margin: 10px 0 5px;
    }
    input, select, textarea {
      width: 100%;
      padding: 8px;
      margin-bottom: 15px;
      border: 1px solid #ddd;
      border-radius: 5px;
    }
    button {
      padding: 10px 20px;
      background-color: #4CAF50;
      color: white;
      border: none;
      border-radius: 5px;
      cursor: pointer;
    }
    button:hover {
      background-color: #45a049;
    }
    .error {
      color: red;
      font-size: 0.9em;
    }
  </style>
```

```
</head>
<body>
  <h2 style="text-align: center;">Student Registration Form</h2>
  <form id="registrationForm" onsubmit="return validateForm()">
    <label for="roll">Roll Number:</label>
    <input type="text" id="roll" placeholder="Enter 7-digit roll number">
    <div class="error" id="rollError"></div>

    <label for="name">Name:</label>
    <input type="text" id="name" placeholder="Enter your name">
    <div class="error" id="nameError"></div>

    <label>Gender:</label>
    <input type="radio" name="gender" value="Male"> Male
    <input type="radio" name="gender" value="Female"> Female
    <div class="error" id="genderError"></div>

    <label for="dob">Date of Birth:</label>
    <input type="date" id="dob">
    <div class="error" id="dobError"></div>

    <label for="courses">Course:</label>
    <select id="courses">
      <option value="">Select a course</option>
      <option value="">Bsc(H) Physics</option>
      <option value="B.Tech">B.Tech</option>
      <option value="M.Tech">M.Tech</option>
      <option value="MBA">MBA</option>
    </select>
    <div class="error" id="courseError"></div>

    <label>Skills:</label>
    <input type="checkbox" id="html" value="HTML"> HTML
    <input type="checkbox" id="css" value="CSS"> CSS
    <input type="checkbox" id="js" value="JavaScript"> JavaScript
    <div class="error" id="skillsError"></div>

    <label for="address">Address:</label>
    <textarea id="address" placeholder="Enter your address"></textarea>
    <div class="error" id="addressError"></div>

    <button type="reset">Reset</button>
    <button type="submit">Submit</button>
  </form>

  <script>
    function validateForm() {
      let isValid = true;
```

```

const roll = document.getElementById('roll').value;
const rollError = document.getElementById('rollError');
if (!/^d{7}$/.test(roll)) {
    rollError.textContent = "Roll number must be a 7-digit numeric
value.";
    isValid = false;
} else {
    rollError.textContent = "";
}

const name = document.getElementById('name').value;
const nameError = document.getElementById('nameError');
if (!/^[a-zA-Z\s]+$/.test(name)) {
    nameError.textContent = "Name must contain only alphabetical
characters.";
    isValid = false;
} else {
    nameError.textContent = "";
}

const gender =
document.querySelector('input[name="gender"]:checked');
const genderError = document.getElementById('genderError');
if (!gender) {
    genderError.textContent = "Please select a gender.";
    isValid = false;
} else {
    genderError.textContent = "";
}

const dob = document.getElementById('dob').value;
const dobError = document.getElementById('dobError');
if (!dob) {
    dobError.textContent = "Please select your date of birth.";
    isValid = false;
} else {
    dobError.textContent = "";
}

const course = document.getElementById('courses').value;
const courseError = document.getElementById('courseError');
if (!course) {
    courseError.textContent = "Please select a course.";
    isValid = false;
} else {
    courseError.textContent = "";
}

```

```

        const skills = [document.getElementById('html'),
document.getElementById('css'), document.getElementById('js')];
        const skillsError = document.getElementById('skillsError');
        if (!skills.some(skill => skill.checked)) {
            skillsError.textContent = "Please select at least one skill.";
            isValid = false;
        } else {
            skillsError.textContent = "";
        }

        // Validate Address
        const address = document.getElementById('address').value.trim();
        const addressError = document.getElementById('addressError');
        if (!address) {
            addressError.textContent = "Address cannot be empty.";
            isValid = false;
        } else {
            addressError.textContent = "";
        }

        if (isValid) {
            alert("Form submitted successfully!");
        }
        return isValid;
    }
</script>
</body>
</html>

```

Student Registration Form

Roll Number:

Name:

Gender:

☐

Male

☐

Female

Date of Birth:

Course:

Skills:

☐

HTML

☐

CSS

☐

JavaScript

Address:

Reset

Submit

Q-6

```
<!DOCTYPE html>
<html>
<head>
  <title>Department Webpage</title>
  <style>
    /* General styles */
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 0;
      background-color: #f9f9f9;
    }
    header {
      background-color: lightpink;
      padding: 10px 20px;
      text-align: center;
    }
    header h1 {
      margin: 0;
    }

    /* Navigation bar */
    nav {
      background-color: #333;
    }
    nav ul {
      list-style-type: none;
      margin: 0;
      padding: 0;
      overflow: hidden;
      display: flex;
    }
    nav li {
      position: relative;
    }
    nav li a {
      display: block;
      color: white;
      text-decoration: none;
      padding: 14px 20px;
      text-align: center;
    }
    nav li a:hover {
      background-color: #575757;
    }

    /* Dropdown menu */
```

```

    nav .dropdown {
        display: none;
        position: absolute;
        top: 100%;
        left: 0;
        background-color: #333;
        box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);
    }
    nav .dropdown a {
        padding: 10px 20px;
        display: block;
    }
    nav .dropdown a:hover {
        background-color: #575757;
    }
    nav li:hover .dropdown {
        display: block;
    }

    /* Main content */
    main {
        padding: 20px;
    }
    footer {
        background-color: #333;
        color: white;
        text-align: center;
        padding: 10px 0;
        position: fixed;
        width: 100%;
        bottom: 0;
    }
</style>
</head>
<body>
    <header>
        <h1>Acharya Narendra Dev College</h1>
        <h2>Welcome to the Department of Physics</h2>
    </header>

    <nav>
        <ul>
            <li><a href="department.html">Home</a></li>
            <li>
                <a href="faculty.html">Faculty</a>
                <ul class="dropdown">
                    <li><a href="#professors">Professors</a></li>
                    <li><a href="#lecturers">Lecturers</a></li>
                </ul>
            </li>
        </ul>
    </nav>

```



```

        <li><a href="#staff">Support Staff</a></li>
    </ul>
</li>
<li>
    <a href="courses.html">Courses</a>
    <ul class="dropdown">
        <li><a href="#undergraduate">Undergraduate</a></li>
        <li><a href="#postgraduate">Postgraduate</a></li>
        <li><a href="#shortterm">Short-term</a></li>
    </ul>
</li>
<li>
    <a href="activities.html">Activities</a>
    <ul class="dropdown">
        <li><a href="#workshops">Workshops</a></li>
        <li><a href="#seminars">Seminars</a></li>
        <li><a href="#events">Events</a></li>
    </ul>
</li>
<li><a href="contact.html">Contact</a></li>
</ul>
</nav>

<main>
    <h2>About Us</h2>
    <p>
        Welcome to the Department of Physics. Our department is committed
to providing
        quality education and fostering research in quantum Physics.
    </p>
    <h2>Why Choose Us?</h2>
    <ul>
        <li>Highly qualified faculty</li>
        <li>State-of-the-art infrastructure</li>
        <li>Innovative curriculum</li>
        <li>Opportunities for research and internships</li>
    </ul>
</main>

<footer>
    &copy; 2024 Department of Physics. All rights reserved.
</footer>
</body>
</html>

```

About Us

Welcome to the Department of Physics. Our department is committed to providing quality education and fostering research in quantum Physics.

Why Choose Us?

- Highly qualified faculty
- State-of-the-art infrastructure
- Innovative curriculum
- Opportunities for research and internships

Q-7-

```
<!DOCTYPE html>
<html>
<head>
  <title>JavaScript Event-Driven Programs</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }
    button {
      margin: 10px 0;
      padding: 10px 20px;
      background-color: #4CAF50;
      color: white;
      border: none;
      border-radius: 5px;
      cursor: pointer;
    }
    button:hover {
      background-color: #45a049;
    }
    input {
      padding: 8px;
      margin: 10px 0;
      width: 200px;
    }
    .output {
      margin-top: 20px;
      padding: 10px;
      border: 1px solid #ddd;
      border-radius: 5px;
      background-color: #f9f9f9;
    }
  </style>
```

```

</head>
<body>
  <h2>Event-Driven JavaScript Programs</h2>

  <!-- Multiplication Table -->
  <div>
    <h3>Multiplication Table</h3>
    <input type="number" id="num1" placeholder="Enter a number">
    <button onclick="printTable()">Print Table</button>
    <div class="output" id="output1"></div>
  </div>

  <!-- Largest of Three Numbers -->
  <div>
    <h3>Largest of Three Numbers</h3>
    <input type="number" id="num2" placeholder="Enter first number">
    <input type="number" id="num3" placeholder="Enter second number">
    <input type="number" id="num4" placeholder="Enter third number">
    <button onclick="findLargest()">Find Largest</button>
    <div class="output" id="output2"></div>
  </div>

  <!-- Factorial -->
  <div>
    <h3>Factorial</h3>
    <input type="number" id="num5" placeholder="Enter a number">
    <button onclick="calculateFactorial()">Find Factorial</button>
    <div class="output" id="output3"></div>
  </div>

  <!-- Sum and Average -->
  <div>
    <h3>Sum and Average</h3>
    <button onclick="calculateSumAndAverage()">Enter Numbers</button>
    <div class="output" id="output4"></div>
  </div>

  <script>
    // 1. Multiplication Table
    function printTable() {
      const num = parseInt(document.getElementById('num1').value);
      let result = `<b>Multiplication Table for ${num}</b><br>`;
      for (let i = 1; i <= 10; i++) {
        result += `${num} x ${i} = ${num * i}<br>`;
      }
      document.getElementById('output1').innerHTML = result;
    }
  </script>

```

```

// 2. Largest of Three Numbers
function findLargest() {
    const num1 = parseFloat(document.getElementById('num2').value);
    const num2 = parseFloat(document.getElementById('num3').value);
    const num3 = parseFloat(document.getElementById('num4').value);
    const largest = Math.max(num1, num2, num3);
    document.getElementById('output2').innerHTML = `Largest
Number:</b> ${largest}`;
}

// 3. Factorial of a Number
function calculateFactorial() {
    const num = parseInt(document.getElementById('num5').value);
    let factorial = 1;
    for (let i = 1; i <= num; i++) {
        factorial *= i;
    }
    document.getElementById('output3').innerHTML = `Factorial of
${num}</b> ${factorial}`;
}

// 4. Sum and Average of Positive Numbers
function calculateSumAndAverage() {
    let numbers = [];
    let input;

    while (numbers.length < 2) {
        input = prompt(`Enter a positive number (${numbers.length +
1}/2):`);

        if (input === null) {
            alert("Input canceled.");
            return;
        }
        input = parseFloat(input);

        if (isNaN(input)) {
            alert("Please enter a valid number.");
        } else if (input > 0) {
            numbers.push(input);
        } else {
            alert("Only positive numbers are allowed.");
        }
    }

    const sum = numbers.reduce((total, num) => total + num, 0);
    const average = sum / numbers.length;
    document.getElementById('output4').innerHTML =
        `Numbers Entered:</b> ${numbers.join(', ')}<br>` +

```

```

        `<b>Sum:</b> ${sum}<br>` +
        `<b>Average:</b> ${average.toFixed(2)}`;
    }
</script>
</body>
</html>

```

Event-Driven JavaScript Programs

Multiplication Table

Multiplication Table for 4:

4 x 1 = 4
 4 x 2 = 8
 4 x 3 = 12
 4 x 4 = 16
 4 x 5 = 20
 4 x 6 = 24
 4 x 7 = 28
 4 x 8 = 32
 4 x 9 = 36
 4 x 10 = 40

Largest of Three Numbers

Largest Number: 564

Factorial

Factorial of 5: 120

Sum and Average

Numbers Entered: 34, 46
 Sum: 80
 Average: 40.00