

B.Sc. VI Semester- Web Technologies Practical Solutions

1.a. Write a HTML program using basic text formatting tags, <p>,
, <pre>.

```
<html>
<head> <title> text formatting tags</title> </head>
<body>
<p>hello world</p> <br>
<pre>we are bsc students</pre>
</body>
</html>
```

b. Write a HTML page for Example Cafe using above text formatting tags.

```
<html>
<head><title>cafe</title></head>
<body text="red" background="D:\yellow.jpg">
<marquee>welcome to siri cafe</marquee>
<h2 align="center">SIRI CAFE</h2> <br>
<table border=2 align="center">
<tr>
<th>SNO</th><th>ITEM</th><th>PRICE</th></tr>
<tr>
<td>1</td> <td>milk</td> <td>6 Rs</td></tr>
<td>2</td> <td>tea</td> <td>4 Rs</td> </tr>
<td>3</td> <td>coffee</td> <td>10 Rs</td></tr>
</body>
</html>
```

2.a. Write a HTML program using presentational element tags , <i>, <strike>, <sup>, <sub>, <big>, <small>, <hr>

```
<html>
<head><title>presentational elements</title></head>
<body>
<b>hello world</b><br>
<i>hello world</i><br>
<strike>hello world</strike><br>
2<sup>3</sup><br>
H<sub>2</sub>O <br>
<big>hello world</big><br>
<small>hello world</small><br>
<hr>horizontal ruler</hr>
</body>
</html>
```

b. Write a HTML program using phrase element tags <blockquote>, <cite>, <abbr>, <acronym>, <kbd>, <address>

```

<html>
<head>
<title>phrase elements</title>
</head>
<body>
<blockquote>hello world</blockquote><br>
<cite>su computers forum</cite><br>
<abbr>html</abbr>
<acronym>xml</acronym>
<kbd>su computers forum</kbd>
<address>
1-1,ramnagar, karimnagar
</address>
</body>
</html>

```

3.a. Write a HTML program using different list types.

```

<html>
<head>
<p>ordered list</p>
<ol type="1">
<li>mango</li>
<li>banana</li>
<li>apple</li>
</ol>
<p>unordered list</p>
<ul type="disc">
<li>mango</li>
<li>banana</li>
<li>apple</li>
</ul>
<p>data definition list</p>
<dl>
<dt>html</dt>
<dd>hyper text markup language</dd>
<dt>xml</dt>
<dd>extensible markup language</dd>
</dl>
</head>
</html>

```

b. Write a HTML page that displays ingredients and instructions to prepare a recipe.

```

<html>
<head><title>Project: Recipe book</title></head>
<body background="D:\yellow.jpg" text="red">

```

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```

<h3 align="center">SIRI RECIPE</h3>

<ol type="1">
<p>Making Steps</p>
<li>Boil spinach in a pressure cooker and grind it to make palak puree.</li>
<li>Heat oil in a pan and fry paneer cubes in it until golden brown.</li>
<li>Remove the paneer cubes and put cumin, when it splutters, add bay leaf.</li>
<li>When it starts to crackle add ginger, garlic and onion paste.</li>
</ol>

```

```

<table border ="1">
<caption  >Ingredients:</caption>
<tr><th>item</th>
<th>Qty</th></tr>
<tr>
<td>spinach</td>
<td>1 kg</td>
</tr>
<tr>
<td>paneer</td>
<td> 200 grms </td>
</tr>
<tr>
<td>oil </td>
<td>1 cup</td>
</tr>
</table>

```

If you like this recipe follow us, donot forget to subscribe </body>
<html>

4.a. Write a HTML program using grouping elements <div> and .

```

<html>
<head>
<div style="background-color:skyblue;color:red;padding:20px;">
  <h2>HTML</h2>
  <p>It is stands for hypertext markup language</p>
</div>
<h1>hello <span style="color:red">this line displays in red
color</span> ok</h1>
</head>
</html>

```

b. Write a HTML Menu page for Example cafe site.

```

<html>
<head>
<title>Three DIVs</title>

```

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```

<style type="text/css">
div.container {width:900px; margin:auto}
div.left {float:left; width:278px; padding:10px;background:red;border:1px dotted #0f0;}
div.center {float:left; width:278px; padding:10px;background:skyblue;border:1px
dotted
#f00;}
div.right {float:right; width:278px; padding:10px;background:yellow;border:1px dotted
#00f;}
div.clear{width:100%;; clear:both;}
</style>
</head>
<body>
<h1 align="center">RAM CAFE</h1>
<font color="orange"><h3>Today's Menu</h3></font>
<div class="container" >
  <div class="left">
    <h1> Menu 1</h1>
  <h5 align="center">TIFFINS</h5>
  <ul>
    <li>Idly</li>
    <li>Poori </li>
    <li>Dosha</li>
  </ul>
</div>
  <div class="center">
    <h1>Menu 2</h1>
    <h5 align="center">MEALS</h5>
    <ul>
      <li>chapathi</li>
      <li>Rice</li>
      <li>Alu biryani</li>
    </ul>
  </div>
  <div class="right">
    <h1>Menu 3</h1>
    <h5 align="center">DRINKS</h5>
    <ul>
      <li>Thums up</li>
      <li>Appy</li>
      <li>purple 3</li>
    </ul>
  </div>
<div class="clear"></div>

```

```
</div>
</body>
</html>
```

5.a. Write a HTML program using images, audios, videos.

```
<html>
<head>
</head>
<body>

<audio src="E:\oracle recordings\DBA audios\1.mp3" controls>
  Your browser doesn't support HTML 5 audio.
</audio>
<video control>
  <source src="E:\Redmi Note 5\video\sakshith.mp4" type="video/mp4;
  codecs='avc1,
  mp4a'">
  </video>
</body>
</html>
```

b. Write a HTML program to create your time table.

```
<html>
<head>
  <title>time table</title>
</head>
<body bgcolor="skyblue">
<H2><FONT COLOR="red"><CENTER>COLLEGE TIME TABLE FOR
MPCS/MSTCS</FONT></H2>
<table border="2" cellspacing="3" align="center">
<tr>
  <td align="center">
  <td>9:30-10:20</td>
  <td>10:20-11:10</td>
  <td>11:10-11:20</td>
  <td>11:20-12:10</td>
  <td>12:10-1:00</td>
  <td>1:00-1:50</td>
</tr>
<tr>
  <td align="center">MONDAY</td>
  <td>soft engg</td>
  <td>maths</td>
  <td rowspan="6" align="center">L<br>U<br>N<br>C<br>H
  <td>web<br>
```

```

<td>phy/stats<br>
<td>chem<br>
</tr>
<td align="center">TUESDAY</td>
<td>soft engg</td>
<td>maths</td>
<td>web<br>
<td>phy/stats<br>
<td>chem<br>
</tr>
<td align="center">WEDNESDAY</td>
<td>soft engg</td>
<td>maths</td>
<td>web<br>
<td>phy/stats<br>
<td>chem<br>
</tr>
<td align="center">THURSDAY</td>
<td>soft engg</td>
<td>maths</td>
<td>web<br>
<td>phy/stats<br>
<td>chem<br>
</tr>
<td align="center">FRIDAY</td>
<td>soft engg</td>
<td>maths</td>
<td>web<br>
<td>phy/stats<br>
<td>chem<br>
</tr>
<td align="center">SATURDAY</td>
<td>soft engg</td>
<td>maths</td>
<td>web<br>
<td>phy/stats<br>
<td>chem<br>
</tr>
</body>
</html>

```

6. Write a HTML program to create a form using text inputs, password inputs, multiple line text input, buttons, check boxes, radio buttons, select boxes, file select boxes.

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```

<html>
<body >
<form>
<label for="username">Username:</label>
  <input type="text" name="username" id="username"> <br><br>
  <label for="user-pwd">Password:</label>
  <input type="password" name="user-password" id="user-pwd">
<br><br>
Address:<br>
<textarea id="msg" name="user_message"></textarea> <br>
SELECT GENDER
  <br>
  <input type="radio" name="gender" id="male">
  <label for="male">Male</label><br>
  <input type="radio" name="gender" id="female">
  <label for="female">Female</label> <br>
<label for="country">Country:</label>
  <select name="country" id="country">
    <option value="India">India</option>
    <option value="Sri Lanka">Sri Lanka</option>
    <option value="Australia">Australia</option>
  </select> <br>
<label for="fileselect">Upload:</label>
  <input type="file" name="upload" id="fileselect">
</form>
</html>
</body>

```

**7. Write a HTML program to create frames and links between frames.
create the page with web.html**

```

<html>
<head>
</head>
<body>
<h1>web technologies</h1>
<ol>
<li>HTML</li>
<li>DHTML</li>
<li>JAVA SCRIPT</li>
<li>OBJECTS IN JS</li>
<a href="info.html">plz click here to know about web</a>
</body>
</html>

```

create below page with info.html

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```

<html>
<head>
<title>information</title>
</head>
<body>
<h1>WEB TECHNOLOGIES</h1>
<ul>
<li>Web is nothing but internet</li>
<li>We are accessing the webpages through internet</li>
<li>Internet is network of networks</li>
</ul>
</body>
</html>

```

8. Write a HTML program to create different types of style sheets.

inline style sheet:

```

<html>
<body>
<p> it is inline style sheet</p>
<h1 style="color:blue;margin-left:30px;">This is a heading</h1>
<p>This is a paragraph.</p>
</body>
</html>

```

embedded style sheet:

```

<html>
<head>
<style>
body {
  background-color: lightblue;
}
h1 {
  color: navy;
  margin-left: 20px;
}</style>
</head>
<body>
<h1 style="color:blue;margin-left:30px;">This is a embedded style
sheet</h1>
<p>This is a paragraph.</p>
</body>
</html>

```

external style sheet:

```

<html>

```



```

<head>
<link rel="stylesheet" type="text/css" href="D:\one.css">
<h1 style="color:blue;font-size:40pt;">This is a external style sheet</h1>
<p>This is a paragraph.</p>
</head>
</html>

```

---below file name one.css---

```

body {
  background-color: red;
}
h1 {
  color: blue;
  margin-left: 20px;
}

```

9. Write a HTML program to create CSS on links, lists, tables and generated content.

```

<html>
<head>
<style>
a {
  color: hotpink;
}
</style>
</head>
<body>
<ol>
<li>college data</li>
<li>web marks</li>
</ol>
<p><b><a href="marks.html" >click here to go marks
table</a></b></p>
</body>
</html>

```

save the below file with marks.html

```

<html>
<head>
<style>
table, td, th {
  border: 2px solid black;
}
table {
  border-collapse: collapse;
  width: 50%;
}

```

```
th {
  height: 50px;
}
</style>
</head>
<body>
<table>
  <tr>
    <th>Name</th>
    <th>Subject</th>
    <th>Marks</th>
  </tr>
  <tr>
    <td>sai</td>
    <td>web</td>
    <td>99</td>
  </tr>
  <tr>
    <td>samreen</td>
    <td>web</td>
    <td>99</td>
  </tr>
  <tr>
    <td>srilatha</td>
    <td>web</td>
    <td>100</td>
  </tr>
  <tr>
    <td>shanth kumar</td>
    <td>web</td>
    <td>100</td>
  </tr>
</table>
</body>
</html>
```

10. Write a HTML program to create your college web site using multi column layouts.

```
<html>
<head>
<style>
body {
  margin: 0;
}
```

```

/* Style the header */
.header {
  background-color: red;
  padding: 10px;
  text-align: center;
}
* {
  box-sizing: border-box;
}
.column {
  float: left;
  width: 50%;
  padding: 10px;
  height: 400px;
}
.row:after {
  content: "";
  display: table;
  clear: both;
}
</style>
</head>
<body>
<body background="D:\yellow.jpg">
<div class="header">
  <h1>SU COMPUTERS FORUM GROUP OF INSTITUTIONS</h1>
</div>
<p>It is one of the top reputed college, having great faculties and it is owned by Dr.
Ravinder Rao Garu.</p>
<div class="row">
  <div class="column" style="background-color:#aaa;">
    <h2>DEGREE</h2>
<ol>
<li>BSC</li>
<li>BCOM</li>
<li>BZC</li>
</li>
</ol>
  </div>
  <div class="column" style="background-color:#bbb;">
    <h2>PG</h2>
<ol>
<li>MSC CS</li>

```

```

</li>MCOM</li>
<li>MSC MATHS</li>
</li>
</ol>
</div>
</body>
</html>

```

11. Write a HTML program to create login form and verify username and password.

```

<html>
<body >
<form>
<center>login form</center>
<label for="username">Username:</label>
  <input type="text" name="username" id="username"> <br><br>
  <label for="user-pwd">Password:</label>
  <input type="password" name="user-password" id="user-pwd"><br>
<input type="button" value="submit" name="submit">

```

12. Write a JavaScript program to calculate area of rectangle using function.

```

<html>
<head>
  <title>Area of Rectangle</title>
</head>
<style>
h3 {
font-family:arial;
};
</style>
<body>
  <script>
    var length = parseInt(prompt("Enter length of Rectangle : "));
    var width = parseInt(prompt("Enter width of Rectangle : "));
    var solving_area = (length * width);
    document.write("<br>");
    document.write("<h3> Area of Rectangle</h3>");
    document.write("<font face='arial' size='3'>")
    document.write(" The Length of Rectangle is " + length + "</font><br>");
    document.write("<font face='arial' size='3'>")
    document.write(" The Width of Rectangle is " + width + ".</font><br><br>");
    document.write("<font face='arial' size='3'>")
    document.write(" The Area of Rectangle is " + solving_area + "</font>");
    document.write("<h3> End of Program </h3>");
  </script>
</body>

```

```
</html>
```

13. Write a JavaScript program to wish good morning, good afternoon, good evening depending on the current time.

```
<html>
```

```
<head>
```

```
  <title>Greeting Message using JavaScript</title>
```

```
</head>
```

```
<body>
```

```
  <label id="lblGreetings"></label>
```

```
</body>
```

```
<script>
```

```
  var myDate = new Date();
```

```
  var hrs = myDate.getHours();
```

```
  var greet;
```

```
  if (hrs < 12)
```

```
    greet = 'Good Morning';
```

```
  else if (hrs >= 12 && hrs <= 17)
```

```
    greet = 'Good Afternoon';
```

```
  else if (hrs >= 17 && hrs <= 24)
```

```
    greet = 'Good Evening';
```

```
  document.getElementById('lblGreetings').innerHTML =
```

```
    '<b>' + greet + '</b> and welcome to web technologies lab';
```

```
</script>
```

```
</html>
```

14. a. Write a JavaScript program using switch case?

```
<html>
```

```
<head>
```

```
  <script>
```

```
  var day;
```

```
  switch (new Date().getDay())
```

```
  {
```

```
    case 0:  day = "Sunday";
```

```
      break;
```

```
    case 1:  day = "Monday";
```

```
      break;
```

```
    case 2:  day = "Tuesday";
```

```
      break;
```

```
    case 3:  day = "Wednesday";
```

```
      break;
```

```
    case 4:  day = "Thursday";
```

```
      break;
```

```
    case 5:  day = "Friday";
```

```
  }
```

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```

    break;
    default: day = "Saturday";
}
document.write("today is"+"&nbsp;" + day);
</script>
</head>
</html>

```

b. Write a JavaScript program to print multiplication table of given number using loop.

```

<html>
<head>
<script type='text/javascript'>
var num = prompt("Enter Number", "0") //prompt user to enter the
number
var num = parseInt(num); //parse the num to number
var i = 0;
document.write('<table border="1" cellspacing="0">');
for(i=1;i<10;i++) {
    document.write('<tr><td>' + num + " x " + i + " = " + num*i + "</td></tr>");
}
document.write("</table>");
</script>
</head>
<html>

```

15. a. Write a JavaScript programs using any 5 events.

onclick:

```

<html>
<head>
    <script type = "text/javascript">
        function sayHello() {
            alert("Hello World")
        }
    </script>
</head>
<body>
    <p>Click the following button and see result</p>
    <form>
        <input type = "button" onclick = "sayHello()" value = "Say Hello" />
    </form>
</body>
</html>

```

onload:

```

<html>

```

```

<head><title> onload</title>
  <script>
function onload()
{
alert("page is loaded");
}
</script>
</head>
<body onload="onload()">
<p>this is onload function</p>
</body>
</html>

```

onerror:

```

<html>
<body>

<p>A function is triggered if an error occurs when loading the image. The function
shows an alert box with a text</p>
<script>
function myFunction() {
  alert('The image could not be loaded.');
```

Mouse over and Mouse out:

```

<html>
  <head>
    <script type = "text/javascript">
      function over() {
        document.write ("Mouse Over");
      }
      function out() {
        document.write ("Mouse Out");
      }
    </script>
  </head>
  <body>
    <p>Bring your mouse inside the division to see the result:</p>
    <div onmouseover = "over()" onmouseout = "out()">
      <h2> This is inside the division </h2>
    </div>
  </body>

```

```
</html>
```

b. Write a JavaScript program using JavaScript built in objects.

```
<html>
```

```
<head>
```

```
<script type="text/javascript">
```

```
document.write(Math.pow(3,2) + "<br />");
```

```
document.write(Math.abs(-7.25) + "<br />");
```

```
document.write(Math.sin(30) + "<br />");
```

```
document.write(Math.sqrt(64) + "<br />");
```

```
document.write(Math.PI+"<br />");
```

```
var txt = "hello, everyone";
```

```
document.write(txt.length+ "<br />");
```

```
document.write(txt.slice(7,13)+ "<br />");
```

```
document.write(txt.slice(7)+ "<br />");
```

```
var d = new Date()
```

```
document.write(d.getDate()+"<br />");
```

```
document.write(d.getMonth()+"<br />");
```

```
var x = 9.656;
```

```
document.write(x.toString()+"<br>");
```

```
document.write((123).toString()+"<br>");
```

```
document.write((100 + 23).toString()+"<br>");
```

```
</script>
```

```
</head>
```

```
</html>
```

16. Write a JavaScript program to create registration Form with Validations.

```
<html>
```

```
<head>
```

```
<script>
```

```
function SU COMPUTERS FORUM()
```

```
{
```

```
    var name = document.forms["RegForm"]["Name"];
```

```
    var email = document.forms["RegForm"]["EMail"];
```

```
    var phone = document.forms["RegForm"]["Telephone"];
```

```
    var what = document.forms["RegForm"]["Subject"];
```

```
    var password = document.forms["RegForm"]["Password"];
```

```
    var address = document.forms["RegForm"]["Address"];
```

```
    if (name.value == "")
```

```
    {
```

```
        window.alert("Please enter your name.");
```

```
        name.focus();
```

```
        return false;
```

```
    }
```

```
    if (address.value == "")
```

```
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```




```
{
  window.alert("Please enter your address.");
  name.focus();
  return false;
}
if (email.value == "")
{
  window.alert("Please enter a valid e-mail address.");
  email.focus();
  return false;
}
if (email.value.indexOf("@", 0) < 0)
{
  window.alert("Please enter a valid e-mail address.");
  email.focus();
  return false;
}
if (email.value.indexOf(".", 0) < 0)
{
  window.alert("Please enter a valid e-mail address.");
  email.focus();
  return false;
}
if (phone.value == "")
{
  window.alert("Please enter your telephone number.");
  phone.focus();
  return false;
}
if (password.value == "")
{
  window.alert("Please enter your password");
  password.focus();
  return false;
}
if (what.selectedIndex < 1)
{
  alert("Please enter your course.");
  what.focus();
  return false;
}
return true;
}</script>
```

```

<style>
SU COMPUTERS FORUM {
  margin-left: 70px;
  font-weight: bold ;
  float: left;
  clear: left;
  width: 100px;
  text-align: left;
  margin-right: 10px;
  font-family:sans-serif,bold, Arial, Helvetica;
  font-size:14px;
}
div {
  box-sizing: border-box;
  width: 100%;
  border: 100px solid black;
  float: left;
  align-content: center;
  align-items: center;
}
form {
  margin: 0 auto;
  width: 600px;
}</style></head>
<body>
<h1 style="text-align: center"> REGISTRATION FORM </h1>
<form name="RegForm" action="/submit.php" onsubmit="return SU COMPUTERS
FORUM()" method="post">
  <p>Name: <input type="text" size=65 name="Name"> </p><br>
  <p> Address: <input type="text" size=65 name="Address"> </p><br>
  <p>E-mail Address: <input type="text" size=65 name="EMail"> </p><br>
  <p>Password: <input type="text" size=65 name="Password"> </p><br>
  <p>Telephone: <input type="text" size=65 name="Telephone"></p><br>
  <p>SELECT YOUR COURSE </p>
  <select type="text" value="" name="Subject">
    <option>BTECH</option>
    <option>BBA</option>
    <option>BCA</option>
    <option>B.COM</option>
    <option>BA</option>
  </select></p><br><br>
  <p>Comments: <textarea cols="55" name="Comment">
</textarea></p>

```

```
<p><input type="submit" value="send" name="Submit">  
  <input type="reset" value="Reset" name="Reset">  
</p>  
</form>  
</body>  
</html>
```