**B.Sc. VI Semester- Web Technologies**

**Practical Solutions**

**1.a. Write a HTML program using basic text formatting tags,<p>, <br>, <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 <b>, <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>horizonal 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>

<blackquote>hello world</blackquote><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">

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

<img src="D:\palak.png" alt="palak-paneer" height=100 width=100>

<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 <span>.**

<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>

<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&#37;; 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>

<img src="d:\yellow.jpg" alt="yellow page">

<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"/td>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.**

<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**

<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 techlogies 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";

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>

<img src="image.gif" onerror="myFunction()">

<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.');

}

</script>

</body>

</html>

**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 == "")

{

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 flase;

}

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>