National School of Business Management
BSc in Management Information Systems (Special) Degree
BSc in Computer Science
Repeat Examination
Web Based Application Development

Time: 03.00Hrs

Answer All Questions.

PART A

Underline the most suitable answer (2 marks x10 = 20 marks)

1.Wich entity do you use to display Unicode character < on a webpage?

a) >
b) <
c)

2. What is the correct HTML for adding a background color?

a) <body color = "green" />
b) <body bgcolor ="green" >

c)

3. What is the HTML tag for a single item within the list?

a)
b)
c) <nl>

4. What is the HTML tag for a bulleted list of items?

a)

b) <hr>

c)

5. What is the correct HTML for insert a graphical image? Image given as nsbm.jpg in location images

a)

b) <input type img; nsbm.jpg>

c)

6. What is the correct HTML for making a checkbox?

a) <input type="check" />

b) <input type="checkbox" />

c) < checkbox >

7. What is the correct HTML for making a radio button?

a) <input type="rbutton" />

b) <input type="radio" >

 c) <input><radio><button>

8. What is correct way to write a CSS color values?

a) h1 {background-color: red};
b) h1 {bg-color: red};
c) h1 {background -color: red;}
d) h1 <background-color>:{ red};

9. Which of the following statements is TRUE for PHP

a) PHP is only client-side scripting language
b) PHP scripts are executed on the server
c) PHP files can not contain text, HTML, CSS, JavaScript, and PHP
d) none of the above are true

10. What are the correct JavaScript logical operators?

      a) &&, =!, = =
      b) &&, =!, =
      c) &&, =!, ||
      d) &&, !, ||

Answers

1. b
2. b
3. b
4. c
5. c
6. b
7. b
8. c
9. b
10. d

PART B

Question 1

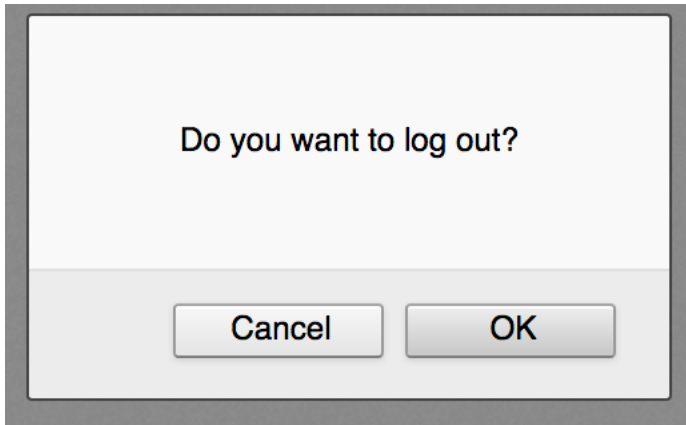A. Write a JavaScript program to display following.(4marks)

Sample Output : <u>I am student of NSBM</u>

```
<html>
  <body>
   <script language="javascript" type="text/javascript">
   document.write("<h1 align=center><u>I am student of NSBM</u></h1>");

  </script>
  </body>
  </html>
```

B. Write a JavaScript program to pops up confirm box.(4 marks)


```
<body>



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

  confirm("Do you want to log out?");



  </script>

  </body>

  </html>
```

C. Write a JavaScript program to find the square root of 81
   (4 marks)

D. Write a JavaScript program to calculate the area of a circle (radius = 7)(4 marks)
   <p>the square root of 81.</p>

```
<script>

    var a = Math.sqrt(81);


    document.getElementById("demo").innerHTML = a;

</script>

</body>
</html>
```

E. Write a JavaScript program to calculate the area of a circle (radius = 7)
   (4 marks)

```
<html>

<head>

<title>Find the area of a circle</title>

</head>

<body>

 <script language="JavaScript">



    document.write("<P>The area of the circle is " + (7 * 7 * Math.PI) + "</p>");



  </script>


</script>
```

</body>

</html>

F. The table "**Product**" in the database "**ProductMemo**" consists of the fields Product No, Description and Price. Assuming that the database and the table have already been created using MySQL, write a PHP page to insert the following record to the "Product" table.(4marks)

Product No	Description	Price
P0001	Cake	100.00
P0002	Sugar	90.00

```php
<?php

$mysql_hostname = "localhost";

$mysql_user = "root";

$mysql_password = "";

$mysql_database = " ProductMemo ";

$bd = mysql_connect($mysql_hostname, $mysql_user, $mysql_password)

or die("Opps some thing went wrong");

mysql_select_db($mysql_database, $bd) or die("Opps some thing went wrong");


?>
<?php

include("db.php");

$proname=$_POST[' ProductNo '];

$price=$_POST['Description '];
```

```php
$qty=$_POST[' Price '];

mysql_query("INSERT INTO Product (ProductNo, Description, Price ) VALUES ('$
ProductNo ', '$ Description ','$ Price ')");

?>
```

(20 marks)

Question 2

   a) Create an HTML page to show following: (8 marks)

```html
<!doctype html>

<html>

<head>

<meta charset="UTF-8">

<link rel="stylesheet" type="text/css" href="webtest.css">

</style><script language="JavaScript" src="jsvalidation.js"

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

<title>Untitled Document</title>

</head>


<body>
<section class="contact bootstrap-iso" id="contact">

   <div class="container">

     <div class="row">

       <h2><strong>Book</strong> Now</h2>

       <p class="lead">Your Appointment</p>

       <div class="about-jyll-content">

         <div class="col-lg-8 col-lg-offset-2 col-md-6 col-sm-6 col-xs-12">

           <form     action=""     id="sneakForm"     name="sneakForm"     method="post"
role="form" accept-charset="utf-8">
```

```html
<div class="row">

    <div class="form-group col-lg-6">

        <label class="control-label c" for="date">Date</label>

        <input        class="form-control"        id="date"        name="date"
placeholder="MM/DD/YYY" type="text"/>

    </div>




<div class="row">

    <div class="form-group col-lg-6">

        <label class="control-label c" for="date">Your Time</label>

        <input        class="form-control"        id="time"        name="time"
placeholder="hh:mm" type="text"/>

    </div>




</div>

<button       type="button"       class="btn       btn-default       btn-outline"       data-
toggle="modal" data-target="#myModal">Continue Booking</button>

<!--<div class="form-group">-->

    <!--<label for="inputMessage"></label>-->

    <!--<textarea            class="form-control"            id="inputMessage"
placeholder="Message"></textarea>-->

    <!--</div>&lt;!&ndash;form-group&ndash;&gt;-->

    <!--<input class="btn btn-default pull-right" type="submit" value="submit">-
->

    <!-- Modal -->

    <div class="modal fade" id="myModal" tabindex="-1" role="dialog" aria-
labelledby="myModalLabel" aria-hidden="true">
```

```html
<div class="modal-dialog">
    <div class="modal-content">
        <div class="modal-header">
            <h4 class="js-title-step"></h4>
        </div>
        <div class="modal-body">

            <div class="row hide" data-step="1" data-title="Choose Your Package">
                <div class="well"><h2>Services</h2>
                </div>
                <table class="table table-primary">
                    <tbody>
                        <tr>
                            <td>
                                <input type="checkbox" name="virtual-tours" id="virtual-tour" onclick="calculateTotal()"> Virtual Tours
                            </td>

                            <td>
                                <select id="VirtualTours" name="VirtualTours" onchange="calculateTotal()">
                                    <option value="none">Select Package</option>
                                    <option value="studio">Studio: Rs 95</option>
                                    <option value="under200">Under 200 square metre: Rs 200</option>
                                    <option value="200-300">200-300 square metre: Rs 300</option>
                                    <option value="300-400">300-400 square metre: Rs 350</option>
```

```html
                                    <option value="400-600">400-600 square metre:
Rs 400</option>


                            </select>
                        </td>


                    </tr>
                    <tr>
                        <td>
                            <input type="checkbox" name="photography"
id="photography" onclick="calculateTotal()"> Photography
                        </td>
                        <td>
                            <select id="HDR" name="HDR"
onchange="calculateTotal()">
                                <option value="none">Select Package</option>
                                <option value="10HDR">background waterfall
pictures: Rs 100</option>

                                <option value="25HDR">background garden: Rs
150</option>

                                <option value="35HDR">background sky and
sea:Rs 200</option>


                            </select>
                        </td>
                    </tr>

                </tbody>
            </table>
```

```html
<div class="well">More Services</div>
    <div class="col-lg-12">
        <table class="table table-secondary">
            <tbody>



                <tr>
                    <td>

                        <input id="twilight-sunset" type="checkbox" name="twilight-sunset" value="95" onclick="calculateTotal()"> Sunset + Rs 95 <br>

                    </td>
                </tr>
                <tr>
                    <td>

                        <input id="skyReplacement" type="checkbox" name="skyReplacement" value="35" onclick="calculateTotal()"> Blue Sky Replacement + Rs 25 <br>


                    </td>
                </tr>




            </tbody>
        </table>
    </div>
</div>
```

```html
                    <div id="totalPrice" style="display: block"></div>
                </div>


            </div>
          </div>
        </div>



        </form>
      </div>
    </div>
  </div>
</div>
</section>



</body>
</html>
```

Book Now

Your Appointment

Date [MM/DD/YYYY]

Your Time [hh:mm]

[Continue Booking]

Services

☐ Virtual Tours [Select Package ▼]
☐ Photography [Select Package ▼]

More Services

☐ Sunset + Rs 95
☐ Blue Sky Replacement + Rs 25

☐ Virtual Tours [Select Package ▼]
☐ Photography
☐ Sunset + Rs 9
☐ Blue Sky Repl

Select Package
Studio: Rs 95
Under 200 square metre: Rs 200
200-300 square metre: Rs 300
300-400 square metre: Rs 350
400-600 square metre: Rs 400

☐ Virtual Tours [Select Package ▼]
☐ Photography [Select Package ▼]
☐ Sunset + Rs 9
☐ Blue Sky Repl

Select Package
background waterfall pictures: Rs 100
background garden: Rs 150
background sky and sea:Rs 200

b) Create an CCS file to show above Output.(4 marks)
```
@charset "UTF-8";
/* CSS Document */

#contact{
    padding: 4rem 0;
    overflow: hidden;
    text-align: center;
}
#contact h2 strong{
    color: #00aced ;
    font-weight: 300 ;
```

```
        }

        /* Additional Services*/


        #myModal td{
          text-align: left;

        }

        #myModal .well h2{
          text-align: center;
        }

        #myModal div#totalPrice{
          padding:10px;
          font-weight:bold;
          background-color:#ff0;
        }
```

c) Create JavaScript file to validate Date and Your Time fields. (5 marks)

```
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
<title>Untitled Document</title>

 <script language="javascript" type="text/javascript">
function validateform()
{
        if(document.form.startdate.value.length == 0)
        {
                alert("Please enter date");
                return;
        }
        if(document.form.starttime.value.length ==0)
        {
                alert("Please enter time");
                return;
        }
}
</script>
</head>

<body>
```

```html
<form name="form">

<table cellspacing="2" cellpadding="2" border="0">
 <tr>
      <td align="right">
       <label>Date:    <input    type="text"    size="12"         placeholder="MM/DD/YYY"
name="startdate"></label>
      </td>
      </tr>
 <tr>
      <td align="right">
       <label>Your    Time:    <input    type="text"    size="12"    placeholder="hh:mm"
name="starttime"></label>
      </td>
      </tr>


<tr>
      <td align="right">
<input type="submit" value="Submit" onClick="validateform();"/>
 </td>
</table>
</form>
</body>
</html>
```

d) Create JavaScript file to calculate to Total price(3marks)
   .JS file

   var virtualTours = [];

   virtualTours["none"]=0;

   virtualTours["studio"]=95;

   virtualTours["under200"]=200;

   virtualTours["200-300"]=300;

   virtualTours["300-400"]=350;

   virtualTours["400-600"]=400;

```
var HDR = [];

HDR["none"]=0;

HDR["10HDR"]=100;

HDR["25HDR"]=150;

HDR["35HDR"]=200;




//This function finds the package price based on the

//drop down selection (select option tags)


function getVirtualPrice() {


    var virtualTourSelect = document.getElementById('VirtualTours');


    //alert(virtualTours[virtualTourSelect.value]);

    return parseInt(virtualTours[virtualTourSelect.value]);
}




function getHDRPrice(){
```

```javascript
    var HDRSelect = document.getElementById('HDR');



    //alert(HDR[HDRSelect.value]);

    return HDR[HDRSelect.value];

}
```

// getTwilightPrice() finds the price based if twilight is selected or not.

```javascript
function getTwilightPrice() {
    var twilight = document.getElementById('twilight-sunset');
        if(twilight.checked){
            return(95);
        } else {
            return(0);
        }
}
```

// getSkyReplacementPrice   price() finds the price based if sky replacement is selected or not.

```javascript
function getSkyReplacementPrice() {
    var sky = document.getElementById('skyReplacement');
```

```
    if(sky.checked){

      return(25);

    } else {

      return(0);

    }

}
```

// getPhotoSessionPrice price() finds the price based if photo Session is selected or not.

// getColorPlanPrice price() finds the price based if photo Session is selected or not.

// getFurniturePrice price() finds the price based if photo Session is selected or not.

// getRushPrice price() finds the price based if photo Session is selected or not.

// getDenverPrice price() finds the price based if photo Session is selected or not.

function calculateTotal(){

//Here we get the total price by calling our function

//Each function returns a number so by calling them we add the values they return together


```
    var total = getVirtualPrice() + getHDRPrice() + getTwilightPrice() + getSkyReplacementPrice();



    var totalEl = document.getElementById('totalPrice');


  document.getElementById('totalPrice').innerHTML = "Your Total is: " + total;
  totalEl.style.display = 'block';
}


function hideTotal(){


  var totalEl = document.getElementById('totalPrice');
    totalEl.style.display = 'none';
}
```

(20 marks)

*** End of paper***