

Sample Paper - 1
Term - I 2016-17
XII
Multimedia and Web Technology

M.M. : 70

Time: 3 Hours

- Please check that this question paper contains 6 printed pages.
- Please check that this question paper contains 5 questions.
- Please write down the Serial Number of the question before attempting it.
- 15 minutes time has been allotted to read this question paper and will not write any answer on the answer script during this period.

1) Answer the following questions based on Database:

- a) What do you understand by the terms degree and cardinality of a relation. [1]
 b) What is the significance of having a primary key in a relation? [1]
 c) What are the advantages of DBMS over normal file system? [2]
 d) Observe the table – SALES of a Database named Products given below and answer the questions that follow : [1]

Field Name	Data Type	Description (Optional)
BILL_NO	Number	Stores the Bill Number
SALE_DATE	Date/Time	Stores the date of the sale
QUANTITY	Number	Stores the amount of item sold
ITEM_CODE	Number	Stores the Item code

1. Name an attribute from the table SALES.
2. Mention the degree of the table SALES.

2) Answer the following questions based on HTML:

- a) What is the use of ACTION attribute of the <FORM> tag? [1]
 b) What is the use of # sign in intra file linking in HTML? [1]
 c) Write the HTML code to generate a Web Page in the format given below : [8]

Consider the following points while writing the HTML code:

1. Title of the page should be "Career in Multimedia Animation".
2. Background color of the page should be "green".
3. Text color of main heading should be "blue" and font style should be "Arial Narrow".
4. Page linked to are as specified below:
 - Games Designer/Developer as "gdd.html"
 - Graphics designer as "gd.html"
 - Multimedia Designer/Developer as "mdd.html"
 - Web Designer/Developer as "wdd.html"
 - Career as an Animator as "animator.html"
5. Use the concept of lists to display the given numbering.
6. The table should have a border of size 2 and color yellow.
7. The bottom message should be of size 2 and the text "Mail to us" is an email link to the e-mail address "info@spsjaipur.com".


Career in Multimedia Animation - Windows Internet Explorer

G:\SunilNehra\Student Zone\MMWT\2011-12\52- 2011- Bing

File Edit View Favorites Tools Help


★ Favorites Career in Multimedia Animation

Career in Multimedia Animation



No education is worth until and unless it is not worth enough to serve you livelihood along with name and fame.

Animation as a Career option is one such field where one can fulfill his / her dreams while enjoying work and getting self satisfaction and praise from the audiences.



Career Name

1. [Career as a Games Designer/Developer](#)
2. [Career as a Graphics designer](#)
3. [Career as a Multimedia Designer/Developer](#)
4. [Career as a Web Designer/Developer](#)
5. [Career as an Animator](#)

Multimedia Animation

Courses	
Games Designer	Available
Web Designer	Available
Animator	Available

For Enquiries [Mail to Us](#)

3) Answer the following questions based on PHP:

- a) What is a Method? What is default method of a <FORM> tag? [1]
- b) Name any two areas or applications where PHP can be used. [1]
- c) What are constants? How is a constant declared in PHP? [1]
- d) What is the role of the default clause in a switch statement? [1]
- e) What is variable? What are rules for naming a PHP variable? [2]
- f) Differentiate between echo and print statement. [2]
- g) Give the name of the built in function according to the following description: [2]
 - 1) Is used to return the number of days in a month for a specified year and calendar.
 - 2) Is used to removes spaces from both the left and right of string.
 - 3) Is used to convert string to lowercase.
 - 4) Is used to removes backslashes from a string.
- h) Give the output of the following statements: [5]
 - 1) `echo substr("Multimedia and Web Technology",15,5);`
 - 2) `echo strrev(substr("Hypertext",2,4));`
 - 3) `echo strlen(substr("Computer Network",8));`
 - 4) `echo(date("F j"));`
 - 5) `echo(date("l"));`

4) Answer the following questions based on PHP:

- a) Create the following form, which takes the stream of the student as input and prints a greeting in the format given below : [2]

Enter Your Stream <input type="text" value="Science"/>
<input type="submit" value="Submit"/>

Dear Science Student

Welcome!

Now the hard work starts ...

- b) Use the following script to answer the questions that follow:

```
<?php
$A = 10;
function display()
{
    $B = 20;
    echo $B;
}
display();
function check()
{
    display();
}
check();
?>
```

- (1) What is the scope of variable A and B in the above script? [1]
(2) How many times will the function display be executed in the above script? [1]

- c) Change the following script using for loop without affecting the output: [2]

```
<?php
$sum=0;
$count=6;
do
{
    echo $count."<br>";
    $count = $count - 2;
    $sum = $sum + $count;
}
while($count>1);
echo $sum;
?>
```

- d) Write a program to read a text file named "mmwt.txt" and display alternate line of the file on the screen. [3]
e) Write a program to read a text file named "php.txt" and display all the lines beginning with the letter "P"; [3]

f) Study the code given below and answer the questions that follow :

content.txt

```
HTML
PHP
FLASH
COMPUTER NETWORK
```

display.php

```
<?php
$file=fopen("content.txt","r");
while(!feof($file))
{
    $data=fgets($file);
    echo substr($data,0,1)."<br>";
}
fclose($file);
?>
```

- 1) What will be the output of the above code? [2]
- 2) Rewrite the code for the loop using DO WHILE instead of WHILE. [1]

5) Answer the following questions based on JavaScript:

- a) Explain the difference between "=" and "=="? [1]
- b) What is Array? Explain with the help of suitable example. [2]
- c) Predict the output of the following code: [2]

```
<script language="javascript">
var x = prompt("Enter First Value"); //10
var y = prompt("Enter Second Value"); //20
var z = x + y;
document.write(z);
</script>
```

- d) Predict the output of the following code: [2]

```
<script language="javascript">
var clr = "red";
switch(clr)
{
    case "red":
        document.write("green");
    case "green":
        document.write("red");
    case "blue":
        document.write("blue");
    default:
        document.write("rgb");
}
</script>
```

- e) Predict the output of the following code: [2]

```
<script language="javascript">
var x, sum = 0;
for(x=1;x<=6;x+=2)
{
    sum = sum + x;
    document.write(x);
}
document.write(sum);
</script>
```

f) Predict the output of the following code: [2]

```
<script language="javascript">
var subj = ["MMWT","BST"];
var result = subj.join("-");
document.write(result+"<br>");
result = subj.sort();
document.write(result);
</script>
```

g) Change the following script using for loop without affecting the output: [2]

```
<script language="javascript">
var x, y, sum;
x = 1;
y = 10;
do
{
    if(y>=x)
    {
        y = y - 2;
        sum = sum + y;
    }
    x = x + 1;
}
while(x<=4);
</script>
```

h) Study the code given below and answer the questions that follow :

```
<html>
<head>
<script language="javascript">
function display(Tag, Message) //Beginning of Function
{
    document.write("<" + Tag + ">");
    document.write(Message);
    document.write("</" + Tag + ">");
}
</script>
</head>
<body>
<script language="javascript">
    display("H1","Hello!");
    display("H3","Have a nice day.");
</script>
</body>
</html>
```

1. Identify and name the two arguments used in the above code segment. [1]
2. What is the usage of the // command in the above code segment? What is the alternate way of achieving the same effect in JavaScript? [1]
3. How many times will the function display be executed? [1]
4. What will be the output of the above code? [1]

i) Write the **HTML code** to generate the following form :

[4]

The screenshot shows a web form with the following elements:

- Input field: Enter Amount (value: 100)
- Input field: Quantity (value: 5)
- Checkbox: Tax [5%] (checked)
- Buttons: Calculate, Reset
- Output field: Total Amount (value: 525)

Write the embedded JavaScript code for the click event of the 'Calculate' button.

j) Write the **HTML code** to generate the following form :

[4]

The screenshot shows a web form titled "PTM DATE CHECK" with the following elements:

- Input field: Enter Class of Your Ward :
- Input field: PTM DATE :
- Button: GET PTM DATE

Write the JavaScript code to display the PTM date on the click of the GET PTM DATE button as :

- 20/09/2016 if class entered is between 1 to 6 and
- 21/09/2016 if class is between 7 to 12
- If the user enters any class other than the above then an error message should be displayed.

Teacher

Sunil Nehra

PGT (Multimedia and Web Technology)

9828672864

9413345965

sknehra07@gmail.com