

# Sample Paper

Pre-Board Examination 2018-19

Class : XII

Subject : Multimedia and Web Technology

M.M. : 70

Time: 3 Hours

- Please check that this question paper contains 7 printed pages.
- Please check that this question paper contains 7 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.
- a) MySQL is a RDBMS. Is this statement true or false? [1]
- b) What is field in a database? Give an example. [1]
- c) Anushka wants to delete the records where the "FirstName" is "Rishabh" in the "Emp" Table. She has entered the following SQL statement. An error is being displayed. [1]
- DELETE "Rishabh" FirstName FROM Emp;
- Rewrite the correct statement.
- d) Name the type of relationship which is created between two tables, if one table has multiple matching records in another table. [1]
- e) The relation Nations is used to maintain some statistics related to some nations of the world. Study the table and answer the following question : [1]

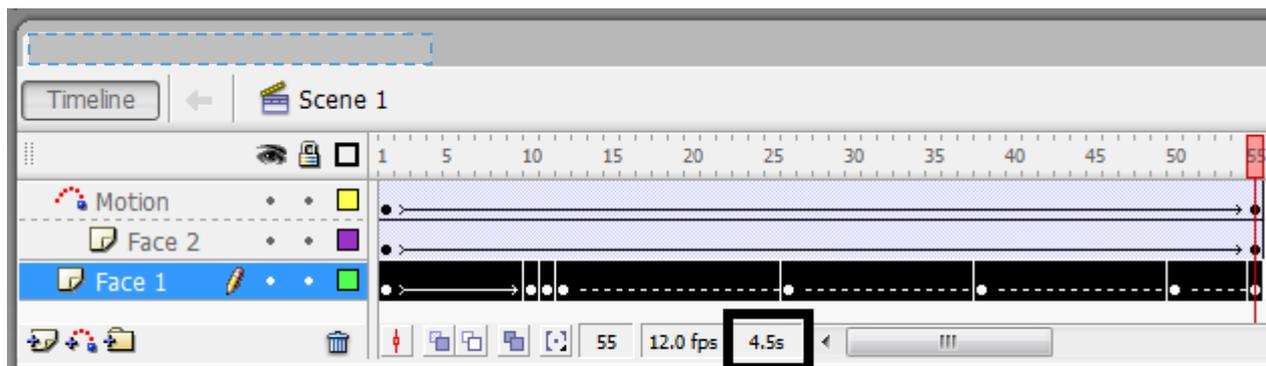
*Nations*

Nat_ID	Nat_Name	Population	Area	Status
A102	India	1.21 Billion	3287	Developing
E054	Spain	0.05 Billion	504	Developed
F062	Nigeria	0.16 Billion	923	Developing
N013	Canada	0.04 Billion	17075	Developed

1. If a separate table Population needs to be created to maintain information about each country's population, name any two fields from the above table that should be included in the new table.
- f) .MOV is the extension of which type of files? [1]
- g) Give full form of MIDI. [1]
- h) Explain the term "Publishing a Flash Movie"? Name the extension of the file created when a Flash movie is published using a Windows projector. [2]
- i) Suhita has created a symbol in Flash which can be clicked; write the type of symbol that she has created. [1]

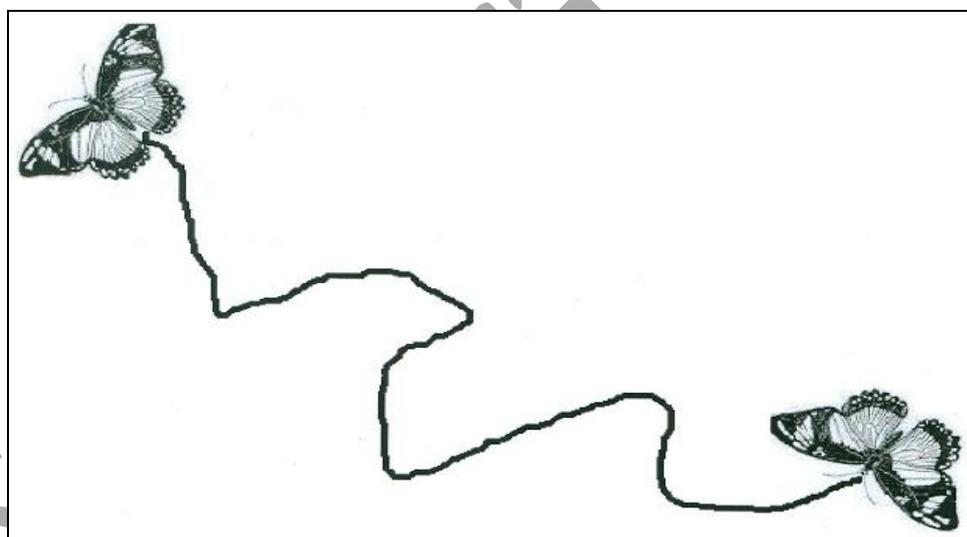
**2. Answer the following questions based on Macromedia Flash: (10Marks)**

a) Study the figure given below and answer the questions that follow :



- 1) Name the guided layer in the above scenario. [1]
- 2) Given the above settings, will the contents of the layer Motion be displayed in the final movie? Justify [1]
- 3) Given the above settings, name the active layer. [1]
- 4) What does the value 4.5s in the area labeled as A signify? [1]

- b) What is the use of onion skin feature? [1]
- c) What is the difference between a file with .FLA extension and one with .SWF extension? [1]
- d) Observe the figure given bellow and do as directed : [4]



- The butterfly is moving along the path from left to right as shown
- The image for butterfly is stored in flash library

Write the procedure and property settings for animating the above scenario from frame 1 to frame 60.

### 3. Answer the following questions based on HTML: (10 Marks)

- a. What is the use of TYPE attribute in a list? [1]
- b. What is the use of ACTION attribute of the <FORM> tag? [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) The title of the web page is Second Hand Cars.
- 2) The color scheme is as follow :
  - a. Page Background color is Silver.
  - b. Horizontal line is blue.
  - c. Table border is red.
  - d. Font color is blue.
- 3) The images used are car1.jpg and car2.jpg.
- 4) The heading is in Fortle font and the rest of the page uses Comic Sans MS Font.
- 5) Create the given list with appropriate bullet type.
- 6) The link at the bottom is an e-mail link to the address shcars@gmail.com.



## Sell Used Cars



### PICK OF THE YEAR

MODEL	YEAR	PRICE
ZIPCAR	2010	4,00,500
KARR NATION	2011	6,50,000
ESEUVEE	2012	3,00,000

We deal in the top medels of cars that are no more than 5 years old -

- Indian
  - a. Mazdaa
  - b. Shahi Sawari
- International
  - a. Zapster
  - b. Rolando

Sellers can send details of their cars at [shcars@gmail.com](mailto:shcars@gmail.com)

**4. Answer the following questions based on PHP: (10 Marks)**

- a. Name any two technologies which are equivalent to PHP. [1]
- b. In which of the following situation(s) is it essential to use a server-side script such as PHP? Justify. [1]
1. Validation of data entered by the user in a form
  2. Showing data stored in a database on the server
  3. Showing the number of visitors to a website
  4. Increasing the size of an image when the cursor is brought over it
- c. How do you retrieve information from a form that is submitted using the post method? [1]
- d. What is the difference in (/) and (%) ? [2]
- e. What is the importance of \$\_POST over \$\_GET? [2]
- f. Give the output of the following statements: [3]
1. echo substr("Multimedia and WebT",strlen("FLASH"),date("m")+3);
  2. echo 10+5-2\*3/2;
  3. echo strtolower("WEB TECH");

**5. Answer the following questions based on PHP: (10 Marks)**

- a) PHP provides \_\_\_\_\_ function to open a database connection. [1]
- b) How is PHP Error Handling done? [1]
- c) What are PHP Cookies? Explain with an example how to set and delete a PHP Cookie. [2]
- d) Write a function that takes two strings as arguments; compare the lengths of the strings and returns 1 if they are equal and 0 if they are not. [2]
- e) Following is the code to count no. of vowels from a text file. Fill in the blanks so that this code can work: [2]

```
<? php
$f = _____("exam.txt", "r");
$vowel = 0;
while(_____( $f))
{
    $ch = _____($f);
    $ch = strtolower($ch);
    if($ch == 'a' || $ch == 'e' || $ch == 'i' || $ch == 'o' || $ch == 'u' )
    $vowel = $vowel +1;
}
echo "Number of vowels:" . $vowel . "<br>";
_____($f);
```

?>

f) Write the output of the given code:

[2]

```
<?php
$div=10;
for($x=1;$x<=7;$x+=2)
$div+=$x;
echo $div."<br>".$x;
?>
```

**6. Answer the following questions based on JavaScript: (10 Marks)**

a) The following code has error(s). Rewrite the correct code underlining all the corrections made:

[2]

```
var j;
var i = 15;
var flag = 1;
while (j = 2 j < i; j++)
{
    if (i % j = 0)
    {
        flag==0;
        break;
    }
}
```

b) Write the values of c and d after execution of the following code:

[2]

```
var a = 1;
var b = 2;

var c;

var d;

c = b++;

d = a++;
```

c++;

c) Observe the following script :

```
<script language="javascript">
var num1,num2,result;
num1=20;
result=0;
num2=num1+10;
//num1=30;
do
{
    if(num2>num1)
        document.write(num1)
    else
        document.write(num2)
    num1+=5;
    result+=num1
}
while(num1<=num2);
document.write(result)
</script>
```

Give the output of the above code.

[2]

d) Write HTML coding with form and Javascript to display the output as shown:

[4]

**Click on your stream**

Science

Commerce

Humanities

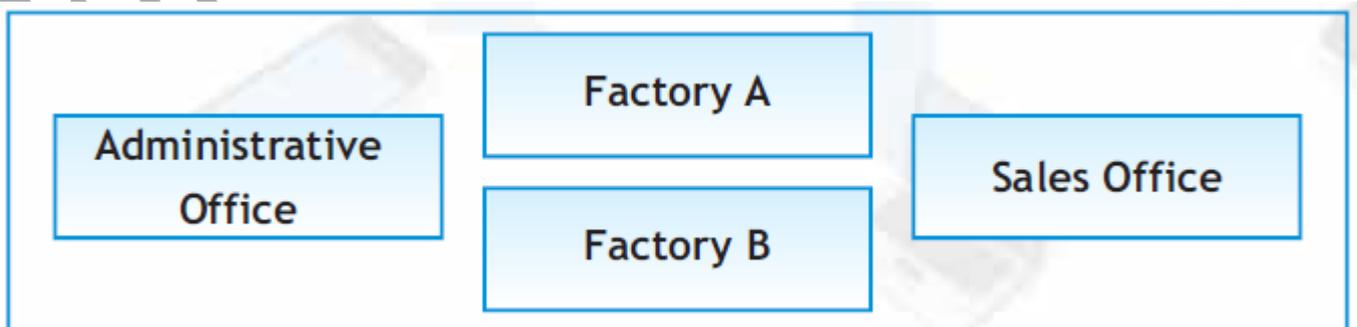
When the user selects his stream and clicks on the button, then his choice should be displayed as shown:

**Click on your stream**

- Science
- Commerce
- Humanities

**7. Answer the following questions based on Communication and Network Concepts: (10 Marks)**

- a. When is a repeater used in a computer network? [1]
- b. A teacher provides “http://www.subodhpublicschool.com/default.aspx” to his/her students to identify the URL & domain name. [1]
- c. A School with 20 stand-alone computers is considering networking them together and adding a server. State 2 advantages of doing this. [1]
- d. Which out of the following does not come under Cyber Crime? [1]
1. Copying data from the social networking account of a person without his/her information & consent.
  2. Deleting some files, images, videos, etc. from a friend’s computer with his consent.
  3. Viewing & transferring funds digitally from a person’s bank account without his/her knowledge.
  4. Intentionally making a false account on the name of a celebrity on a social networking site.
- e. Differentiate between Radio link and Microwave link transmission media. [1]
- f. Sandeep is using software, which has been downloaded from internet and is available for one month. After one month he has to pay license fee for further use. What software Sandeep is using? [1]
- g. Name and explain the usage of any two network devices. [1]
- h. Ishika Industries has set up its new production unit and sales office at Ranchi. The company compound has 4 buildings as shown in the diagram below:



Distances between these buildings are as follows:

Administrative Office to Factory A	150 m
Factory A to Factory B	50 m
Factory B to Sales Office	100m
Sales Office to Administrative office	200m
Administrative Office to Factory B	125 m

Number of Computers in each of the buildings is follows:

Administrative Office	15
Factory A	25
Factory B	18
Sales Office	15

1. Suggest a cable layout of connections between the buildings so that each building is directly connected to Administrative Office. [1]
2. Suggest the placement of the following devices with justification: [1]
  - (1) Repeater
  - (2) Hub/Switch
3. The Administrative office of this unit is to be linked with the head office situated in Patiala (Punjab). What will be the most economical way to do this? Justify your answer. [1]