



**INDIAN SCHOOL MUSCAT
SECOND PRELIMINARY EXAMINATION
MULTIMEDIA AND WEB TECHNOLOGY**

CLASS: XII

Sub. Code: 065

Time Allotted: 3 Hrs.

13.02.2019

Max. Marks: 70

General Instructions:

1. All the Questions are Compulsory.
2. Read the Question carefully before writing the answer.

Q1. Study the following data and answer the questions given below :

i)

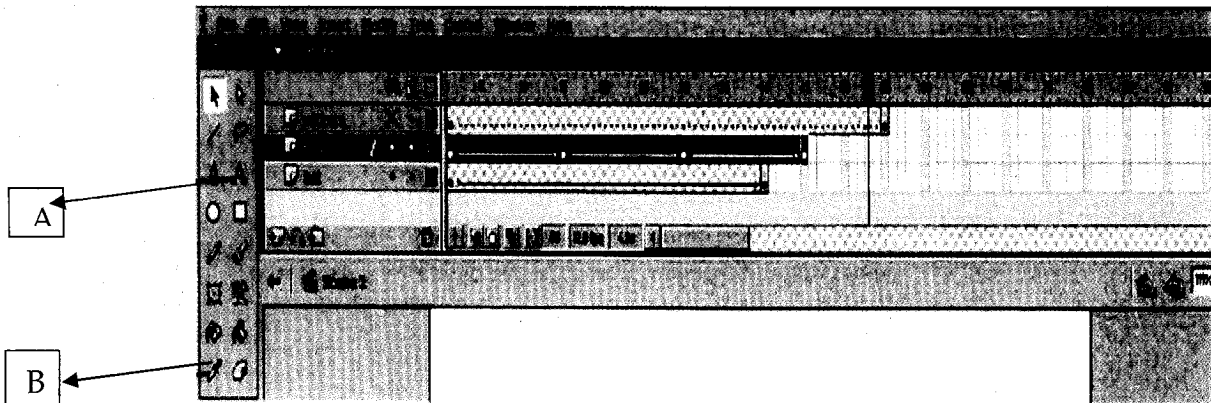
SID	Name	Phone	<u>DOB</u>	Salary	Area
S101	Amit Kumar	98101789654	1967-01-23	67000.00	North
S102	Deepika Sharma	99104567834	1992-09-23	32000.00	South
S103	Vinay Srivastav	98101546789	1991-06-27	35000.00	North
S104	Kumar Mehta	88675345789	1967-10-16	40000.00	East
S105	Rashmi Kumar	98101567434	1972-09-20	50000.00	South

- a) Which field can be chosen as the primary key of the above table ? 1
- b) What is the degree and cardinality of the given table ? 1
- c) Write the suitable data types of SID and DOB columns 1
- d) With reference to the above given table, write commands in SQL to 2
 1. Insert First record in the table.
 2. Display the names of employees who have salary higher than 45000.
- ii) Which multimedia component has extension as .MOV ? 1
- iii) Name any two image formats that are most popularly used while designing web pages. 1

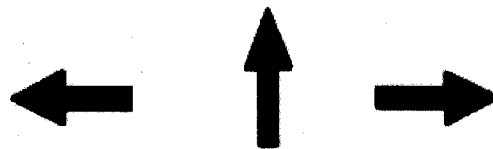
- iv) In an amusement park, the trainer wants to give the simulation of a cockpit. Which of the following multimedia technologies will help him ? 1
- Video on Demand
 - Virtual Reality
 - Video Conferencing
- v) Mention any one use of multimedia in 2
- a) Education
 - b) Entertainment

Q2. Answer the following questions based on Macromedia Flash :

- i) What is a blank key frame? 1
- ii) Write any two types of symbols that are in Flash. 1
- iii)



- a) What is the name of the hidden layer ? 1
 - b) Which layer is the current layer ? 1
 - c) What are the names of the tools labelled as A and B ? 2
- iv) Consider the figure given below and do as directed : 4



- d) The arrow on the right hand side shows the position for frame 20.
 - e) The arrow on the left hand side shows the position for frame 1.
 - f) The arrow in frame 1 rotates to frame 20 as shown.
 - g) The image of the arrow is saved in Flash Library.
- Write the procedure and property settings for animating the above scenario.

Q3. Answer the following questions based on HTML :

i) Write the name of tag and attribute to create a radio button in a form.

2

ii) Write the HTML code to generate a Web Page in the format given below :

8

Open Source Initiative

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h) Bottom message is of size 2 and is mail linked to contact@abc.com.

Q4. Answer the following questions based on PHP :

i) Identify the errors and rewrite the following code underlining the changes :

2

```
<PHP
for ( $x = = 0; $x < = 8; $x ++ ) {
If ( $x == 6)
{
continue;
}echo $x;
>
```

ii) a) What is a constant ? Declare a constant MAX assign the value 15.

2

b) Write any two features of PHP.

1

iii) Write any two points of difference between echo and print statements.

2

iv) Give the output of the following statements

3

a) echo substr("Multimedia and Web Technology" 0,2) ;

b) echo 20+(3+5)%2;

c) echo date("M-d-Y", mktime(0,0,0,14,1,2001));

Q5. Answer the following questions based on PHP :

i) Write the output of the following code

2

```
<?php
$fruits = array ("mango", "apple", "pear", "peach") ;
$fruits = sort($fruits) ;
for ($x = 0; $x<=3; $x++)
echo ($fruits[$x]. "<br>");
?>
```

ii) Write the name of the PHP built-in function :

2

a) To return reverse of a string.

b) To format a local time/date.

iii) Write a PHP code to assign any number to the variable and check the number is "ODD" or "EVEN".

3

- iv) Create a text file named try.txt using PHP and write the following lines into it : 3
Hello students!
How are you?
All the best for exams.

Then write the code to count the number of vowels in it.

Q6. Answer the following questions based on JavaScript :

- i) 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;  
    }  
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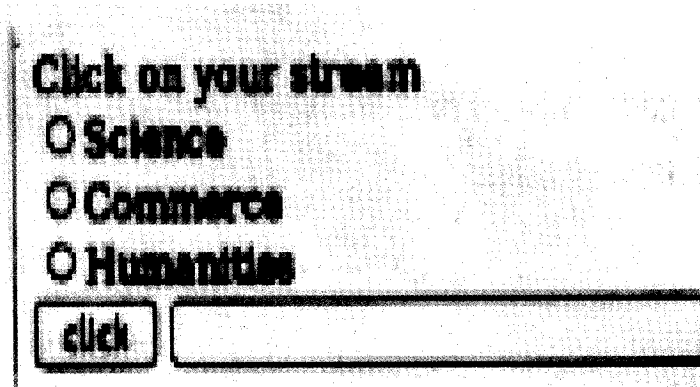
- ii) Rewrite the given code using switch.....case 2

```
var x, y ,z ,w;  
x=0; y=0; z=0; w=0;  
if (a==1)  
x++;  
else if(a==2)  
y++;  
else if(a==3)  
z++;  
else  
w++;
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- iii) 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++;
```

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



Click on your stream

☐ Science

☐ Commerce

☐ Humanities

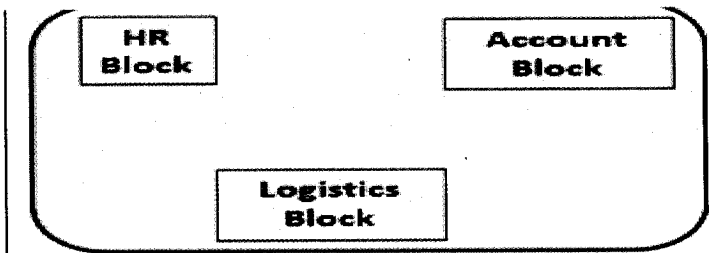
When the user selects his stream and clicks on the button, then his choice should be displayed.

Q7. Answer the following questions based on Communication and Network concepts :

- i) When is a repeater used in a computer network ? 1
- ii) Write the full form of GPRS. 1
- iii) Amit and John have connected their mobile phones to transfer a song. 2
- a) What type of network is formed ?
- b) Which communication media out of coaxial cable, bluetooth and satellite link should they use to transfer the file ?
- iv) Explain the following terms : 2
- a) IP address
- b) Video Conferencing
- v) Hi Speed Technologies Ltd. is a Delhi based organization which is expanding its office setup to Chandigarh. At Chandigarh office campus, they are planning to have 3 different blocks for HR, Accounts and Logistics related work. Each block has a number of computers which are required to be connected in a network for communication, data and resource sharing.

As a network consultant, you have to suggest the best network related solutions for them for issues/problems raised in (i) to (iii), keeping in mind the distances between various blocks/locations and other given parameters.

Shortest distances between various blocks/locations :



Shortest distance between various blocks/locations:

HR Blocks to Accounts Block	400 metres
Accounts Block to Logistics Block	200 meters
Logistics Block to HR Block	150 meters
DELHI Head Office to CHANDIGARH Office	270 km

Number of Computers installed at various blocks are as follows:

HR Block	70
Accounts Block	50
Logistics Block	40

- a) Suggest the most appropriate block/location to house the SERVER in the CHANDIGARH Office (out of the 3 blocks) to get the best and most effective connectivity. Justify your answer. 1
- b) Suggest the best wired medium and draw the cable layout (Block to Block) to efficiently connect various Blocks within the CHANDIGARH office compound. 2
- c) Suggest a device/software and its placement that would provide data security for the entire network of the CHANDIGARH office. 1

End of the Question Paper

Roll Number

SET B



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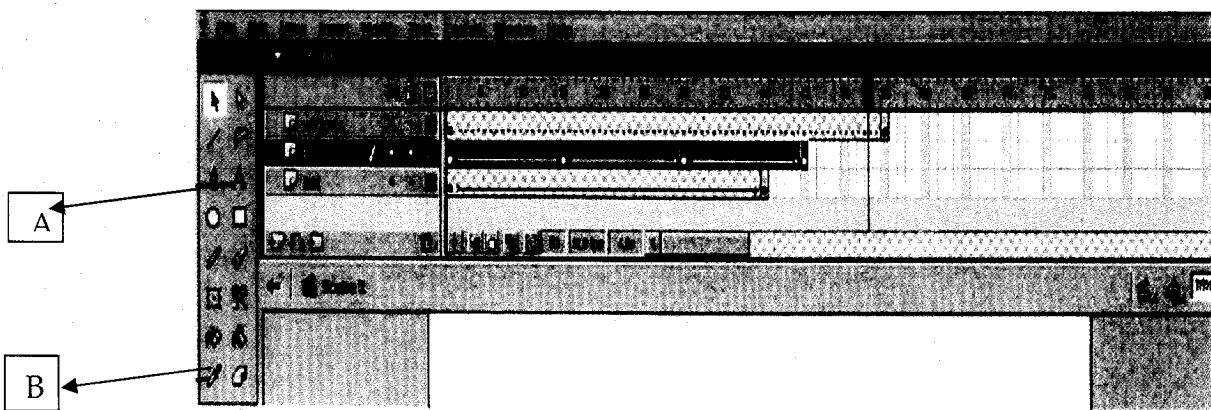
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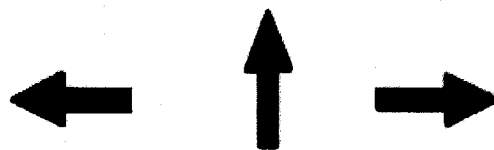
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- i) Write the name of tag and attribute to create a radio button in a form. 2
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- ii)
 - a) What is a constant ? Declare a constant MAX assign the value 15. 2
 - b) Write any two features of PHP. 1
- iii) Write any two points of difference between echo and print statements. 2
- iv) Identify the errors and rewrite the following code underlining the changes : 2

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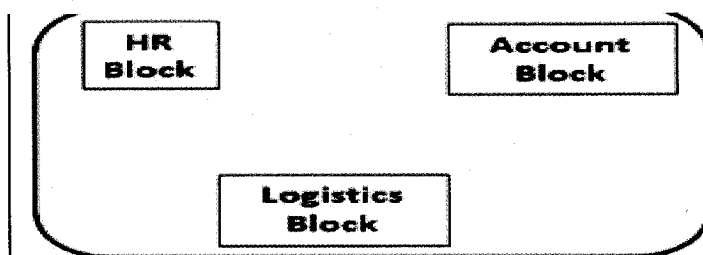
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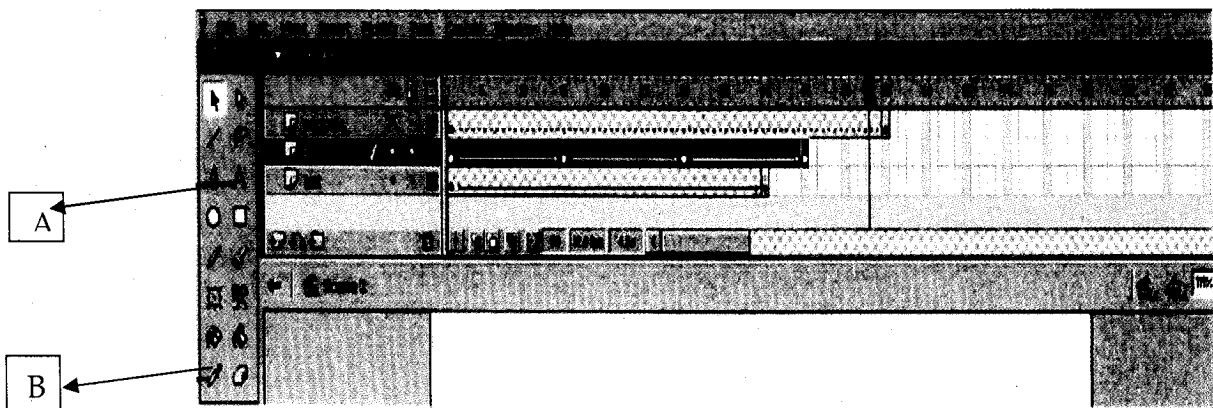
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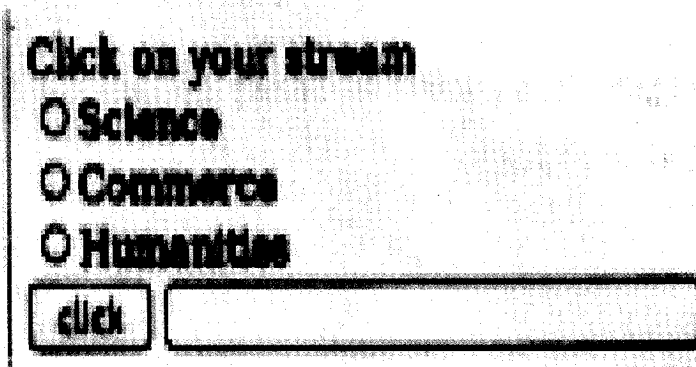
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☐ Science

☐ Commerce

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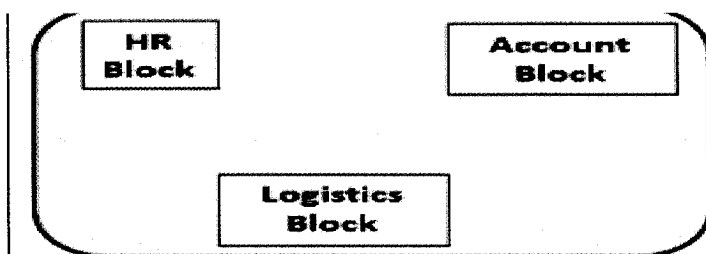
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