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SET A



INDIAN SCHOOL MUSCAT FIRST PRELIMINARY EXAMINATION MULTIMEDIA AND WEB TECHNOLOGY

CLASS: XII

Sub. Code: 067

Time Allotted: 3 Hrs

10.01.2019

Max. Marks: 70

General Instructions:

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

Q1.

- a) .mpeg is extension of which type of file? 1
- b) Give the full form of TIFF. 1
- c) Study the following data and answer the questions given below:

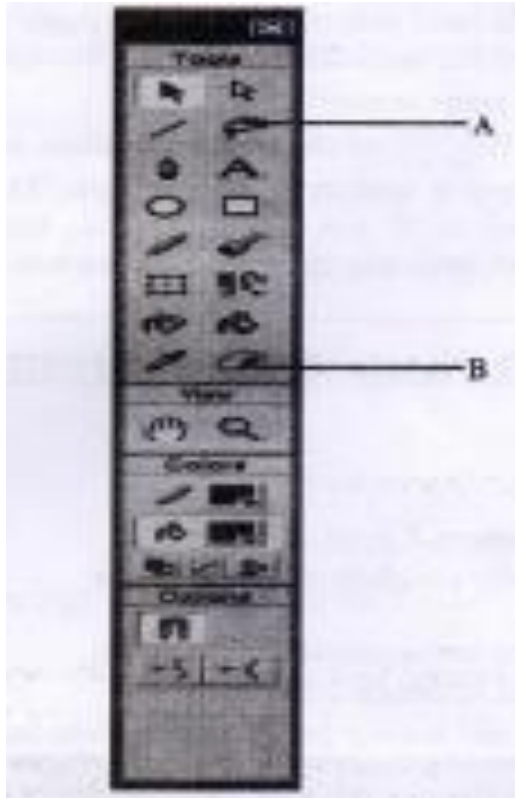
	City_code	City_name	State_code
*	9	Augusta	ME
*	10	Atlanta	GA
*	11	boston	MA
*	12	Cambridge	MA
*	13	Madison	WI
*	14	Milwaukee	WI
*	15	Providence	RI
*	0		

Record: 14 of 7

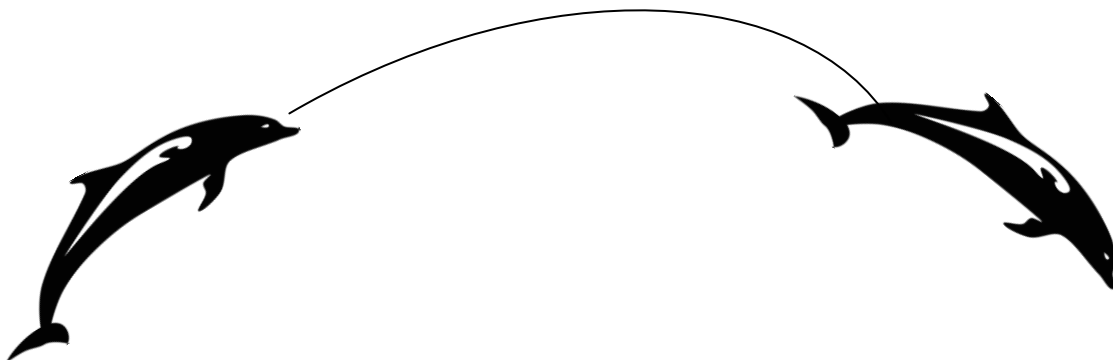
1. Name the fields, which can act as the primary key of this table. 2
2. What is the degree and cardinality of this table?
- d) Define Candidate Key and Alternate Key. 1
- e) Name any two popular image formats that are mostly used while designing web pages. 1
- f) Define RDBMS. Give any two examples of RDBMS. 2
- g) Name any one software used for Sound Editing and Image Editing.

Q2.

- | | | |
|----|--|---|
| a) | What do you mean by a frame? Explain. | 1 |
| b) | What is hidden layer? | 1 |
| c) | How flash movie is embedded in HTML? | 2 |
| d) | What is the use of Icon A and B in the following figure? | 2 |



- | | | |
|----|---|---|
| e) | Consider the figure given below and do as directed. | 4 |
|----|---|---|



- The fish on the right hand side shows the position for frame 20.
- The fish on the left hand side shows the position for frame 1.

- The fish in frame 1 moves to frame 20 along the shown path and changes direction as shown in Figure.
- The picture of fish is stored in Flash Library.


Q3. Answer the following questions based on Html:

a) Write the HTML code to generate a Web Page in the format given below: Consider the following while writing the HTML code:

8

1. Title of the page should be "Flower"
2. Background of page is "pink", Link colour should be "blue"
3. Heading of page is "maroon"
4. Picture used in the page is the file "flower.jpeg"
5. Text in paragraph is red
6. Table should have a border of width 1, border of table should be "green"
7. Pages linked to:
 - Morphology as "morph.html"
 - Development as "dev.html"
8. Bottom message is of size 2 and is mail link to contact@abc.com

FLOWER - Sometimes known as a Bloom or Blossom



A flower is a part of a plant. Flowers are also called the bloom or blossom of a plant. The flower grows on a stalk - a thin node - which supports it. Flowers have petals. Inside the part of the flower that has petals are the parts which produce pollen and seeds. In addition to facilitating the reproduction of flowering plants, flowers have long been admired and used by humans to beautify their environment, and also as objects of romance, ritual, religion, medicine and as a source of food.

Contents:

- Morphology
 - Floral Parts
 - Vegetative
 - Reproductive
- Development
 - Flowering Transition
 - Organ Development

Pollination

1 Pollen
2 Attraction Methods
3 Pollination Mechanism

For more details Mail to us

- b) Write the name of the tag and the attribute used for displaying some text for the browsers which do not support images. 2

Q4. Answer the following questions based on PHP:

- a) Explain the difference between \$_GET and \$_POST variables. 2

- b) Identify the errors and rewrite the given code:

```
<?
$sum=0;
$num=5;
select($sum);
{
case 1:
$num = $num + $sum;
case 2:
$num = $num + $sum;
```

2

```

else
$sum = $sum/$num;
?>

```

- c) Using PHP, create a text file saved as C:\xampp\htdocs\test\exam.txt in which write four lines of English poem as written below: 3

It would be an exotic moment
 Without rush, without engines.
 We would all be together
 In sudden strangeness.

In the same file write the code to display the lines of text that are beginning with “W”

- d) Give the output of the following statements: 3
- i. `echo(substr(“abcdef”, -2))`
 - ii. `echo(strcasecmp(“Hello”, “hello”))`
 - iii. `echo((1 + (3 + 3)) * 2)`

Q5. Answer the following questions based on PHP:

- a) Give names of any two Superglobals. 1
- b) What is the value of a and b after executing the following code? 1

```

$a=0; $b=0;
for($a = 1;$a<=3; ++$a)
{
    $b = $a++;
    --$b; }

```

- c) Write the output of following code:

```

function add(&$var)
{
    $var++;
}

```

```

$a = 1;
$b = 10;
add($a);
echo “a is $a,”;
add($b);
echo “a is $a, and b is $b”;

```

- d) Write PHP code to set a cookie named “country” and value “India”. The cookie should expire after 2 days. Also display the values stored in `$_COOKIE`. 3
- e) Write a PHP code to Assign any number to the variable and check the Number is Prime or Not. 3

Q6. Answer the following questions based on JavaScript

a) **Give the output of the following set of statements:**

2

```
<SCRIPT LANGUAGE="JavaScript">
var car[3];
count = 0;
for(i = 2; i>=0;i- -)
{
car[i] = i + count;
document. write (car[i]);
count = count + 1;
}
</SCRIPT>
```

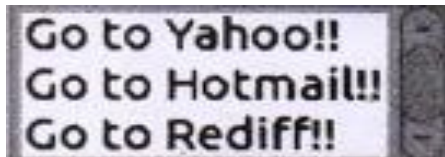
b) Rewrite the above code using do...while without effecting the output.

2

c) With the help of suitable example, differentiate between global and local variable

2

d) Create a form that contains a list of mail services as shown below
Select a location from the list



4

Write the HTML code for creating the form and the embedded JavaScript code to open the corresponding website in a new window on the selection of any list item.

Go to Yahoo!! Link to <http://www.yahoo.com

Go to Hotmail!! Link to <http://www.hotmail.com

Go to Rediff!! Link to http://www.rediff.com

Q7. Answer the following questions based on communication and network concepts

a) Compare proprietary and open Source Software

1

b) Explain the following term: (i) Firewall (ii) Cyber Law

2

c) Compare BUS topology with STAR topology of Network

2

d) Write any two points of difference between MAC address and IP Address

2

e) Arunodaya school is setting up their new campus in Mumbai. You as a network expert have to study the given below and answer the following questions

Physical locations of the buildings of school:

Senior Building

Junior Building

Admin Building

Building to Building distances are as follows

Admin to Senior	60m
Admin to Junior	120m
Junior to Senior	70m

Each of the above building has following number of computers:

Junior	60
Senior	50
Admin	120

- i) Suggest and draw the layout for a network, with proper justification to connect all the building 1
- ii) Suggest the most appropriate building to house the server with proper justification. 1
- iii) What type of network out of following is formed by connecting the computers of these buildings? 1
 - a. LAN
 - b. MAN
 - c. WAN
- iv) Which wireless channel should be used to connect this school with their other branch in Dubai 1
 - a. Infrared
 - b. Microwave
 - c. Satellite

End of the Question Paper