CLASS: XII
10.01.2019

INDIAN SCHOOL MUSCAT FIRST PRELIMINARY EXAMINATION MULTIMEDIA AND WEB TECHNOLOGY

## General Instructions:

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

Q1.
a) Give the full form of TIFF.
b) .mpeg is extension of which type of file?
c) Study the following data and answer the questions given below:


1. Name the fields, which can act as the primary key of this table.
2. What is the degree and cardinality of this table?
d) Define RDBMS. Give any two examples of RDBMS.
e) Name any two popular image formats that are mostly used while designing web pages.
f) Define Candidate Key and Alternate Key.
g) Name any one software used for Sound Editing and Image Editing.
a) How flash movie is embedded in HTML?
b) What is hidden layer?
c) What do you mean by a frame? Explain.
d) What is the use of Icon A and B in the following figure?

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


- 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:
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





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Coalata:

| 1. Morpholosy |
| :---: |
| , Floml Pars |
| - Vepturive |
| - Reproducive |
| 2. Develoreet |
| -Flowriag Truuition |
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- Flowerial Thusitioa
- Orga Developmest

For mane detrils Maliotis
b) Write the name of the tag and the attribute used for displaying some text for the browsers which do not support images.

Q4. Answer the following questions based on PHP:
a) Identify the errors and rewrite the given code:
$<$ ?
\$sum=0;
\$num=5;
select(\$sum);
\{
case 1:
\$num = \$num + \$sum;
case 2:
\$num = \$num + \$sum;
else
\$sum = \$sum/\$num;
b) Explain the difference between \$_GET and \$_POST variables.
c) Give the output of the following statements:
i. echo(substr("abcdef", -2))
ii. echo(strcasecmp("Hello", "hello"))
iii. $\operatorname{echo}((1+(3+3)) * 2)$
d) Using PHP, create a text file saved as C: Xxampp\htdocs\testlexam.txt in which write four lines of English poem as written below:

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"
Q5. Answer the following questions based on PHP:
a) Give names of any two Superglobals.
b) What is the value of $a$ and $b$ after executing the following code?
$\$ \mathrm{a}=0 ; \$ \mathrm{~b}=0$;
for $(\$ \mathrm{a}=1 ; \$ \mathrm{a}<=3 ;++\$ \mathrm{a})$
\{
$\$ \mathrm{~b}=\$ \mathrm{a}++;$
--\$b; \}
c) 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.
d) Write the output of following code:
function $\operatorname{add}(\& \$$ var)
\{
\$var++;
\}
\$a $=1$;
$\$ \mathrm{~b}=10$;
add(\$a);
echo "a is \$a,";
$\operatorname{add}(\$ b)$;
echo " $a$ is $\$ a$, and $b$ is $\$ b$ ";
e) Write a PHP code to Assign any number to the variable and check the Number is Prime or Not.

Q6. Answer the following questions based on JavaScript
a) Give the output of the following set of statements:

<SCRIPT LANGUAGE="JavaScript">
var car[3];
count \(=0\);
for \((\mathrm{i}=2 ; \mathrm{i}>=0 ; \mathrm{i}--)\)
\{
\(\operatorname{car}[\mathrm{i}]=\mathrm{i}+\mathrm{count}\);
document. write (car[i]);
count \(=\operatorname{count}+1\);
\}
</SCRIPT>
b) Rewrite the above code using do...while without effecting the output.
c) Create a form that contains a list of mail services as shown below

Select a location from the list


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

Q7. Answer the following questions based on communication and network concepts
a) Compare BUS topology with STAR topology of Network
b) Write any two points of difference between MAC address and IP Address
c) Explain the following term: (i) Firewall (ii) Cyber Law
d) Compare proprietary and open Source Software
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 | 60 m |
| :--- | :--- |


| Admin to Junior | 120 m |
| :--- | :--- |
| Junior to Senior | 70 m |

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
ii) Suggest the most appropriate building to house the server with proper justification.
iii) What type of network out of following is formed by connecting the computers of these buildings?
a. LAN
b. MAN
c. WAN
iv) Which wireless channel should be used to connect this school with their other branch in

Dubai
a. Infrared
b. Microwave
c. Satellite

## End of the Question Paper

