

Sample Paper

Pre-Board 2015-16

XII

Multimedia and Web Technology

M.M. : 70

Date: January __, 2015

Time: 3 Hours

Roll No.: S -

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- Please check that this question paper contains 8 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) In a database there is a table Cabinet. The data entry operator is not able to put duplicate values in a column of Cabinet? What may be the possible reason(s)? [1]
- b) Name any two Methods that can be used to create a table. [1]
- c) Observe the table - TableApp of a Database named Application given below and answer the questions that follow : [3]

	Field Name	Data Type
▶	AppID	AutoNumber
	AppName	Text
	AppUtility	Text
	AppDeveloper	Text
	AppIntroDate	Date/Time

1. Name the view in which the table is shown - Design or Datasheet.
 2. Can this view be used to add a new record to the above table?
 3. Write one special feature of the AutoNumber Datatype used above.
 4. What does the key symbol next to the AppID field name designate?
 5. What is the degree of the above table?
 6. A new field named AppDescription is added to the above table that will contain a detailed description about the Application in about 2000 characters. Name the appropriate data type that should be used for this field.
- d) Define the term Multimedia. Write any two uses of Multimedia. [1]
- e) Name the movie file format : [1]
1. The file format is supported by all the computer running Windows, and by all the popular web browsers. It originally created by Microsoft Windows.
 2. Developed by Macromedia.

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 web page is Hillside Resort.
2. The Background colour of the web page is green.
3. Text style of main heading is Papyrus and that of the rest of the page is Comic Sans MS.
4. The image used is flower.jpg
5. The line is green in colour and 6 pixels thick.
6. The table has a blue colored border that is 4 pixels thick.
7. Use the concept of nested lists for creating the given list.
8. The link at the bottom is an e-mail link to the address "sknehra07@gmail.com".

The Hillside Resort

The Hillside Resort is a beautiful resort located in Dehradun, far from the hustle bustle of city life, the best holiday gateway for all age groups.

Great facilities for you and your family all under on roof:

- Cottages that can accommodate from 1 to 10 members
- 24 hour room service
- Special recreation activities for all age groups
 1. Treks and walks
 2. Separate Playareas for kids and youndsters
 3. Swimming pool and splash pool
 4. Indoor Activities Area
 5. Yoga and Meditation Hall



Book well in advance to avoid disppointment, Select a traiff plan as per your requirements

Plan	Charges	Facilities
Super Deluxe	10,000 pp/day	Access to all facilities Includes Breakfast & Dinner
Deluxe	6000 pp/day	Access to any 5 facilities Includes Breakfast
Economy	3000 pp/day	Access to any 3 facilities No meals included

For online booking and queries contact sknehra07@gmail.com

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

- a. In which of the following situation(s) is it essential to use a server side script such as ASP? 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
- b. How do you retrieve information from a form that is submitted using the post method? [1]
- c. Write the difference between “\” and “/” operator. [1]
- d. What is the structure of the global.asa? [1]
- e. What do you understand by ASP Engine? [1]
- f. What is an Array? How is an array declared? [2]
- g. Give the output of the following statements: [3]
1. Response.Write (mid(left("multimedia",14),instr("technology","o"))&" "&"tech")
 2. Response.Write (day(date+25)&month(#11/12/2015#))
 3. Response.Write (14<5 OR 33>10 AND NOT 11<4)

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

- a) Expand the term PWS. [1]
- b) Name objects required to manage database through ASP. [1]
- c) Buffer object is associated with which object? What is its use? [1]
- d) Rewrite the following code after removing all errors and underline each correction: [2]
- ```
<%
option explicit
proc display(s1)
Request.write(Happy&s1)
end proc
s = "Birthday"
call display(s)
```
- e) Write ASP code to display the following characteristics of the text file saved a “sps.txt” in the path  
“D:\Myfolder\sps.txt” : [2]
1. When was this file modified?
  2. Size of the file?

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

**BannerAd.asp**

```
<HTMT>
<HEAD><TITLE> City Guide</TITLE></HEAD>
<H1 align = center>The BEST Guide to your City<H1>
<%
Set showAD=Server.Create("MSWC.Adrotator")
Response.write(showAD.Advertisement("ads.txt") %>
</BODY>
</HTML>
```

**ads.txt**

```
WIDTH 500
HEIGHT 300
BORDER 5
*
Yummyfood.gif
http ://www.eathealthy.com
Order readymade healthy snacks
60
gifts.gif
http ://www. giftgallery.com
One stop shop for gifts
40
```

1. The script in the file BannerAd.asp is used to display the content from the ads.txt file. Remove the errors in the code given above so as to get the desired result. [1]
2. Which of the ads would be displayed most often and why? [1]
3. If a new advertisement is to be displayed using the Ad Rotator to display an image named "Movies.jpg" for an advertisement for the website www.moviereviews.com with description "Most reliable movie reviews", then give the lines that need to be added to the file content.

[1]

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

- a) Which one of these is an entry control loop and which one is an exit control loop? [1]

Loop 1:	Loop 2:
Sum=0 i = 5 Do Sum = sum + i i = i+ 1 loop while I <5	Sum=0 i = 5 Do while I <5 Sum = sum + i i = i+ 1 loop

- b) Observe the following script : [1]

```
<script language = "vbscript">
OPTION EXPLICIT
Dim B, C
B = 10
Do While A<10
C = C + A + B
Document. write (c)
B = B - 1
A = A + 3
Document. write("
")
Loop
</script>
```

Every time this script is executed, the programmer receives an error as soon as the Do While loop is reached. Identify the error and write the corrected code.

- c) Rewrite the following block of if else with select case : [2]

```
d = inputbox("enter day")
if d = 1 then
day = "Monday"
elseif d = 2 then
day = "Tuesday"
elseif d = 3 then
day = "Wednesday"
else
day = "-"
end if
```

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

[2]

The image shows a web form with a title bar that says "PTM DATE CHECK". Inside the form, there are two text input fields. The first is labeled "Enter Class of Your Ward :" and the second is labeled "PTM DATE :". Below these fields is a button with the text "GET PTM DATE".

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

- 30/01/2016 if class entered is between 1 to 6 and
- 31/01/2016 if class is between 7 to 12
- If the user enters any class other than the above then an error message should be displayed.

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

```
<HTML>
<HEAD>
<SCRIPT LANGUAGE="VBScript">
Sub Display (Tag, Message) REM Beginning of Subroutine
Document. Write ("<" & Tag & ">")
Document. Write (Message)
Document. Write ("</" & Tag & ">")
End Sub
</SCRIPT>
</HEAD>
<BODY>
<SCRIPT LANGUAGE="VBScript">
Display "H1", "Hello!"
Call 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 REM command in the above code segment? What is the alternate way of achieving the same effect in VBScript? [1]
3. How many times will the subroutine Display be executed? [1]
4. What will be the output of the above code? [1]

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

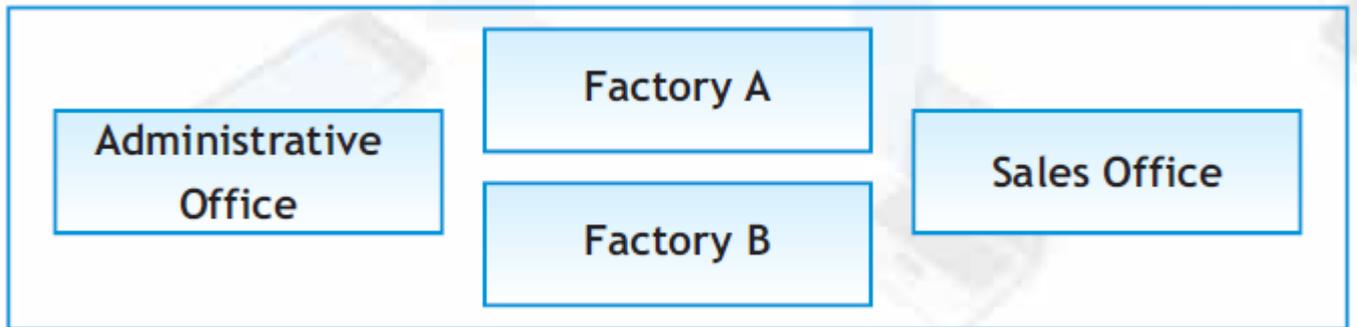
- a. Name any two open source RDBMS. [1]
- b. What is common in all of the following software(s) ? [1]

Firefox, MYSQL, PHP, OpenOffice.org

Write one feature of the above category of software.

- c. What is meant by communication channels? Give two examples of guided media and two examples of unguided media. [2]

- d. Soma has entered a computer network without having authorized access to check the security of her office. On the other hand, Promila has entered a computer network without having authorized access with the intent of stealing documents. Who among them will be called a hacker and who will be known as a cracker ? Also mention who among them is doing an ethical job ? [2]
- e. 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

- Suggest a cable layout of connections between the buildings so that each building is directly connected to Administrative Office. [1]
- Suggest the most suitable place (i.e. building) to house the server of this production unit with a suitable reason. [1]
- Suggest the placement of the following devices with justification: [1]
  - Repeater
  - Hub/Switch
- 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]