

**SAMPLE PAPER-2014
CLASS-XII
MULTIMEDIA AND WEB TECHNOLOGY**

Sample paper-I

Time allowed : 3 hours

Maximum Marks: 70

Name : _____

Roll No.: _ _ _ _ _

- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- Please write down the serial number of the question before answering it.

1. (a) What is the Degree and Cardinality of the relation(table) **COAH** given below? (1)

Table: COACH

EMPNO	NAME	SPORTS	DOJ	SALARY
1001	Manish	Cricket	01/05/13	80000
1002	Rashi	Karate	01/06/13	60000
1003	Rohan	Kho-Kho	01/05/12	56000

- (b) What is a Difference between Candidate Key and Primary Key? (1)
- (c) Differentiate between Design View and Datasheet View of MS- Access. (1)
- (d) Study the following-data and answer the questions given below :

Table: CUSTOMERS

CUSTNO	CUSTNAME	ACCT_CREATE	AMOUNT
CNR_101	Manisha	21/03/2001	450000
CNR_204	Rahul	23/04/2001	250000
CNR_375	Sanjana	13/04/2002	350000

Table: TRANSACTIONS

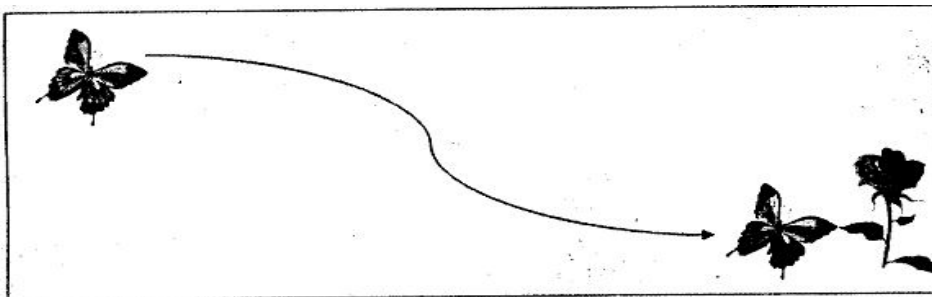
TRXNID	CUSTNO	TRXNDTAE	WITHDRWAL_AMT
23012012101	CNR_101	23/01/2012	14500
24102012101	CNR_101	24/10/2012	12000
21102012375	CNR_375	21/10/2012	24000

- (i) Name the field, which can act as the **Primary Key** for the table **Customers** and as the **Foreign Key** for the table **Transactions**. (1)
- (ii) Name one Data Item of the table **Transactions** that can accept only numeric values. (1)
- (e) What are the full forms of BMP and AVI ? (1)

- (f) Write a short note on WLL . (2)
 (g) What are Video Conferencing and Virtual Reality ? (1)
 (h) Differentiate between .MP3 and .MP4 file formats. (1)

2. Questions given below are based on Macromedia Flash :

- (a) What is an Animation? Names the types of Tweening. (1)
 (b) What is a difference between Publishing and Exporting of a movie ? (2)
 (c) Explain procedures to insert a sound in Flash movie ? (2)
 (d) What do you understand by Frame Rate ? (1)
 (e) Observe the figure given below and do as directed : (4)



1. The image on the right hand side shows the position and size of the image for frame1.
 2. The image on the left hand side shows the position and size of the image for frame 25.
 3. The line shows the path of motion of the butterfly.
- Write the procedure and property settings for animating the above scenario.

3. Questions given below are based on HTML :

- (a) What is the use of <HR> tag in HTML? (1)
 (b) Name the tag and attribute that is used to set a target frame in HTML. (1)
 (c) Write the HTML code to generate a Web Page in the format given below : (8)

Consider the following while writing the HTML code

1. Title of the page is "Google Glass" and main heading is "GOOGLE GLASS".
3. Text color of main heading on the page should be "Green".
4. Font name of text in the page should be "Arial" color should be "Blue".
5. Background should be "Magenta" and the picture used in the page is the file "GoogleGlass.jpg".
6. Use the concept of select to display the values given in select-box.
7. Pages linked to :
 1. From Apple iGlass to 'AppleiGlass.html'
 2. From Sony SmartWatch to 'SonySmartWatch.html'

GOOGLE GLASS



Google Glass is no more buzz word! It has been marketed as the most smartest, an intelligent and innovative technology of this decade. Google Glass is a wearable device powered by Android for the smartest communications. It is the first highly portable Head Mounted Device(HMD) in Augmented Reality(AR) ecosystem and it weighs lighter than an average pairs of sunglasses. It's head-mounted display unit residing above the right eye produces traversing images of the information and video messages all accessible by voice commands. It is designed to tether with Android devices or iPhone and links up with WIFI ecosystem.



Select Other ARG:

4. Questions given below are based on ASP :

- (a) What is Client Side Scripting? Give two examples. (1)
- (b) Differentiate between ASP file and simple HTML File. (2)
- (c) Write an ASP code to open a Database Connection to MS-Access database(.mdb). (2)
- (d) Give name of object to which the following methods/properties belong: (2)
 - (i) QueryString
 - (ii) Write
- (e) Give output of the following statements : (3)
 - (i) Response.Write(LEN (LEFT (“Times Of India”, 4)))
 - (ii) Response.write((5-3)*(4/2-3))
 - (iii) Response.Write(MONTHNAME (MONTH (CDATE (“23/08/2012”))),Yes)

5. Questions given below are based on ASP:

- (a) Differentiate between an AdRotator and ContentRotator. (1)
- (b) What is IIS ? What is the role of ADO on OLEDB connection? (2)
- (c) Rewrite, the following code after removing errors with each correction underlined. (2)


```
<%
dim num =25
b = 2
do num > 0 step 7
b = num mod 10
num = num - 2
next loop
document.write b
%>
```
- (d) Give the output for the following code segment: (2)


```
<%
Y = 15
FOR X = 1 TO 4
IF X < Y THEN
Document.Write (Y)
ELSE
```

```
Document.Write (X)
END IF
Y = Y -6
NEXT
%>
```

- (e) Write the ASP Code that will read the text file named 'Books.txt', count the number of spaces in the file and then display the same. (3)

6. Questions given below are based on VBScript:

- (a) Differentiate between Procedure and Function? Write VBScript code to call a procedure from another procedure? (2)

- (b) Name the events for the following situations: (2)

- (1) To perform an action when a button is clicked.
- (2) To perform an action as soon as a text fields gains a cursor.

- (c) Give the output of the following code segment: (2)

```
<Script Language = "text/VBScript">
Name = "CES 2013"
startword = 1
For i = 1 to Len (Name)
if (startword <>0) Then
document.Write (right (Name, i) )
if (Mid (Name, i, 1)) = "" Then
startword = 0
else
startWord = 5
End if
End If
Next
</Script>
```

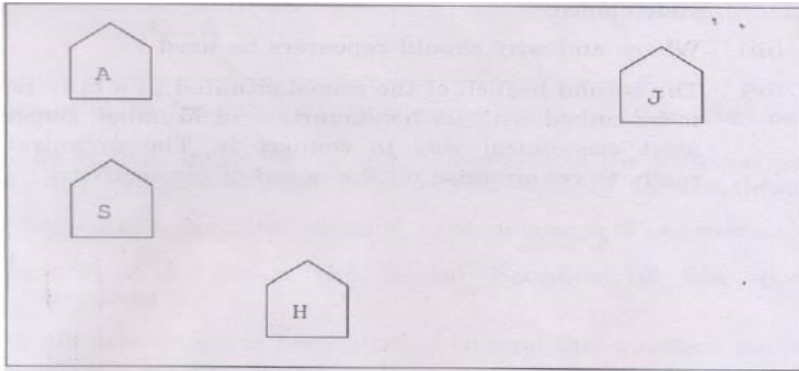
- (d) Write the HTML code to create the form given below and also write the embedded VBScript code for checking text-input at name field. When the user clicks on 'submit' button it displays name types in a message box. (4)

Your name: Mobile Model :

7. Questions given below are based on the unit Web Technologies:

- (a) Write a short note on Cyber Laws of India? (1)
- (b) Differentiate between Optical Fiber and Co-Axial Cables. (2)
- (c) Explain the following terms : (2)

- (i) LGPL (ii) ARPANET (iii) WLL (iv) TCP/IP
 (d) Delhi School of Acting in Delhi is setting up the network between its different wings. There are 4 wings named as SENIOR(S), JUNIOR(J), ADMIN(A), and HOSTEL(H).



Distance between various wings are given below:

Wing A to Wing S	100m
Wing A to Wing J	200m
Wing A to Wing H	400m
Wing S to Wing J	300m
Wing S to Wing H	100m
Wing J to Wing H	450m

Number of computers in each wing is as given below:

Wing A	10
Wing S	200
Wing J	100
Wing H	50

Answer the following questions based on the above given information:

- (i) Suggest suitable cable layout(s) or topologies for connecting the wings. (1)
 (ii) Where do you think the server and repeater should be placed and explain why? (1)
 (iii) Where and why should a switch be used? Justify. (1)
 (iv) Suggest the type of cable should be used if the organization wants the most economical option. (1)
 (v) The new branch is coming up at Singapore. Suggest the best way to connect it, if the money is not a constraint for the company. (1)

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