

Class XII – Multimedia & Web Technology

Set – I

Time: 3 Hrs.

Max Marks: 70

Instructions:

1. Please check that this question paper contains 5 printed pages.
2. Please check question paper contains 7 questions.
3. The marks for each question are displayed individually.
4. Please write down the serial number of the question before attempting it.

1. Questions given below are based on Computer System:

- a. What is Input mask? 1
- b. What is the significance of AutoNumber? 1
- c. Study the following data and answer the questions given below:

Table: Book

Book_Title	Book_Id	Author	Price
ASP	C1002	Russell	325.00
VBScript	C1014	Simon	295.00
HTML	C1001	Ray	350.00
Jscript	C1020	Jaworski	375.00

Table: Issue

Member_no	Issue_Date	Return_Date	Book_Id
1432	07/12/2003	07/22/2003	C1001
2042	09/30/2003	10/10/2003	C1020
1245	10/08/2003	10/18/2003	C1002
1432	10/03/2003	10/12/2003	C1014
1324	09/30/2003	10/03/2003	C1001
1565	04/05/2003	04/26/2003	C1020

I. Name the field, which can act as the primary key and foreign key for the table Book and the table Issue respectively. 1

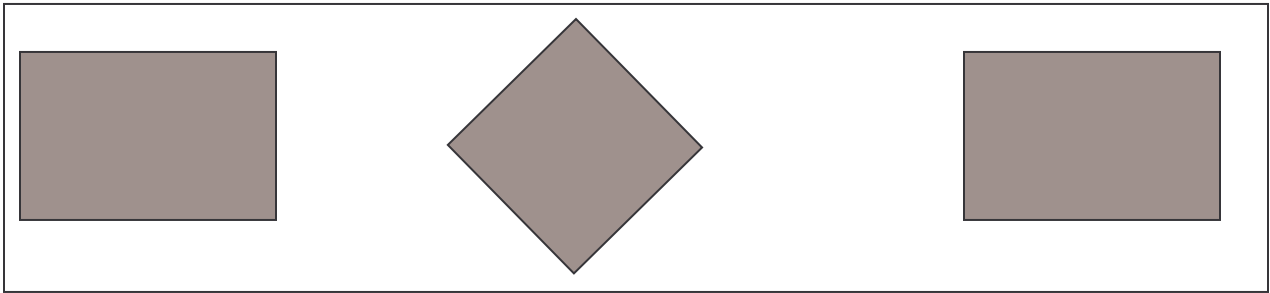
II. What type of relationship exists between table Book and table Issue? 1

III. Suggest the datatype that should be used for each field of the Book table. 1

- d. What is the full form of MPEG? 1
- e. What is the use of Kiosk? 2
- f. What do you understand by the term “Publishing a Flash Movie”? Name any two formats in which a Flash movie can be published. 2

2. Questions given below are based on Macromedia Flash:

- a. What is the use of Alpha value? 1
- b. What do you understand by tweening? Name the two kinds of tweening. 2
- c. Define the term Timeline. 1
- d. Differentiate between a Keyframe and a Blank KeyFrame. 2
- e. Observe the figure given below and do as directed: 4



- I. The box on the left hand side shows the position and size of the image for frame 1. The colour of the image is red.
- II. The box on the middle shows the position and size of the image for frame 10. The colour of the image is blue.
- III. The box on the right hand side shows the position and size of the image for frame 20. The colour of the image is red.

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 Type attribute in list? 1
- b. What is the difference between Submit and Reset button? 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. Background colour of the page should be "Pink" and visited link colour should be "Green".
2. Font face of text in the page should be "Arial"
3. Text colour of main heading should be "Maroon"
4. Picture used in the page is the file "map.jpg"
5. The text "NIRVANA HOLIDAYS LTD" should be in "Red" colour and in "Bold"
6. Pages linked to :
 Rajasthan Packages as "raj.html"
 Kerala Packages as "kerala.html"
7. The table should have a caption "Tarriff".
8. Bottom message should be of size 2.

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 - Udaipur
 - Pushkar
2. Kerala Package
 - Kumarokom Resort
 - Periyar Wildlife Sanctuary
 - Kovalam Beach

Tarriff

Package	Normal	Delux
Rajasthan	Rs.7000	Rs.10,500
Kerala	Rs.11,500	Rs.18,000

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4. Questions given below are based on ASP :

- a. What do you understand by term Server – side scripting? 1

- b. Explain the use of OPTION EXPLICIT keyword, with an example. 2
- c. Differentiate between QueryString collection and Form collection in Request object. 2
- d. Write a command to remove the leading and trailing spaces from a character variable NAME, where NAME = "##Smriti#Malhotra###" (Where # denotes a blank space) 2
- e. Give output of the following statements: 3
 - I. Response.write(LCASE (LEFT ("STATEMENT", 4)))
 - II. Response.write(MONTHNAME (MONTH (CDATE ("02/03/2006"))))
 - III. Response.write(UCASE(MID("Hello There"),7,3))

5. Question given below are based on ASP:

- a. What is page counter component? 1
- b. Differentiate between Flush method and End method of Response object. 2
- c. Rewrite the following code after removing errors with each correction underlined. 2

```
<HTML>
<BODY>
<% For a = 1 to 5 %>
<font Size = <% a %>
Hello World! <br>
<Next>
</BODY>
</HTML>
```

- d. Give output of the following statements: 2

```
<%
Function Execute(B)
Dim C, Temp
C = 100
Temp = B + C
B = B + Temp
If ( C <> 200) then
    Response.Write(Temp & " " & B & " " & C )
End if
End function
%>
<%
Dim M
M = 90
Response.Write Execute(M)
Response.Write (" " & M & "<br>")
M = 10
Response.Write Execute(M)
Response.Write (" " & M)
%>
```

- e. Write an ASP program, to create a text file called "bank.txt" to store the following information: 3

```
Account No : CA0412
Name : Lokesh Sharma
Address : 123, G - 4, Sec - 11, Rohini
Amount : 13500
```

6. Questions given below are based on VBScript:

- a. What are the types of procedures available in VBScript? Explain them. 2
- b. Change the following script using Do..... WHILE loop without effecting the output: 2

```
<Script Language="VBScript">
Dim arr (5)
Counter = 1
Do Until Counter < 5
    arr(counter) = counter * counter
    counter = counter + 1
Loop
</Script>
```

- c. Give the output of the following code segment: 2

```

<Script Language = "VBScript">
  B = 10
  For A = 1 to 12 Step 3
    C = A + B
    Document.Write (C)
    B = B - 1
    Document.Write ("<BR>")
  Next
</Script>

```

- d. Write the HTML code for creating the form given below and also write the embedded VBScript code for the click event of the "Calculate Cost" button, should call a function "Calculate()" which will calculate the total cost of the items bought and displays it in a message box. For example if the user selects T-Shirt as the item and enters the numbers of items as 2 then the total cost will be Rs. 600. 4

Online Shopping

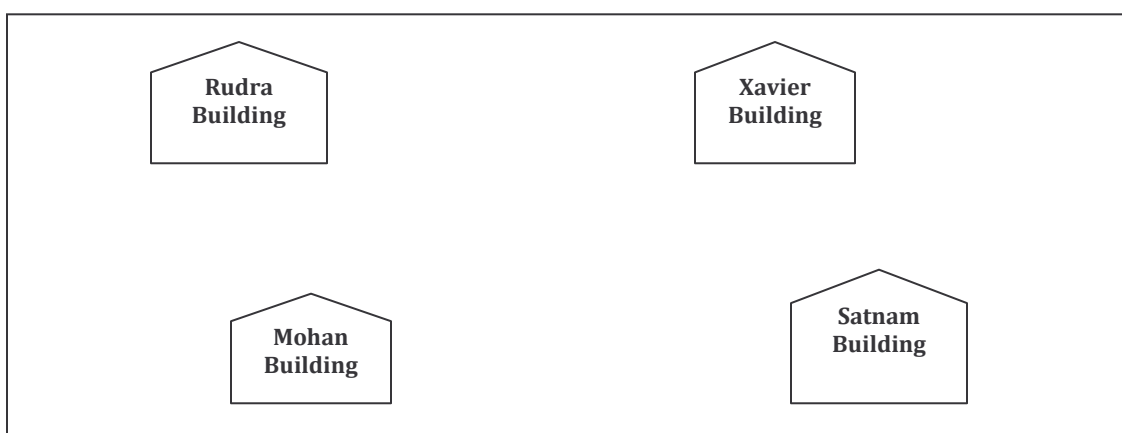
Select your Choice (Any one):

Shirt Rs. 650
 T-Shirt Rs. 300
 Trousers Rs. 900

Enter Number of Items you want:

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

- a. What is W3C? 1
- b. Differentiate between hackers and crackers. 2
- c. Explain the following terms: 3
 - I. CDMA
 - II. WLL
 - III. Telnet
- d. Lavanya Industries has set up its new center at Hari Om Nagar for its office and web based activities. The company compound has 4 buildings as shown in the diagram below: 4



Centre to Centre distances between different buildings are as follows:

Mohan Building to Rudra Building	50 m
----------------------------------	------

Rudra Building to Xavier Building	60 m
Xavier Building to Satnam Building	25 m
Stanam Building to Mohan Building	170 m
Mohan Building to Xavier Building	125 m
Rudra Building to Satnam Building	90 m

Each of the above buildings has following number of computers:

Mohan Building	15
Rudra Building	150
Xavier Building	15
Satnam Building	25

- I. Suggest a cable layout of connections between buildings.
- II. Suggest the placement of following devices with justification:
 1. Internet Connecting Devices / Modem
 2. Switch
- III. Suggest the most suitable place (i.e. building) to house the server for the organization with suitable reason.
- IV. The organization is planning to link its sale counter situated in various parts of the same city, which type of network out of LAN, MAN or WAN will be formed? Justify your answer.

————— X —————