

**Instructions:**

1. Please check that this question paper contains 7 printed pages.
2. Please check question paper contains 6 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 DBMS? Give an example of a DBMS. 1
- b. What is difference between text and memo data types of MS-Access? 1
- c. Study the following data and answer the questions given below:

**Table: Patient**

Name	P_no	Date_Admn	Doc_no
Mohan	P_101	21/03/2006	301
Priya	P_204	03/04/2006	134
Suraj	P_375	15/01/2006	204
Komal	P_424	24/06/2006	134

**Table: Doctor**

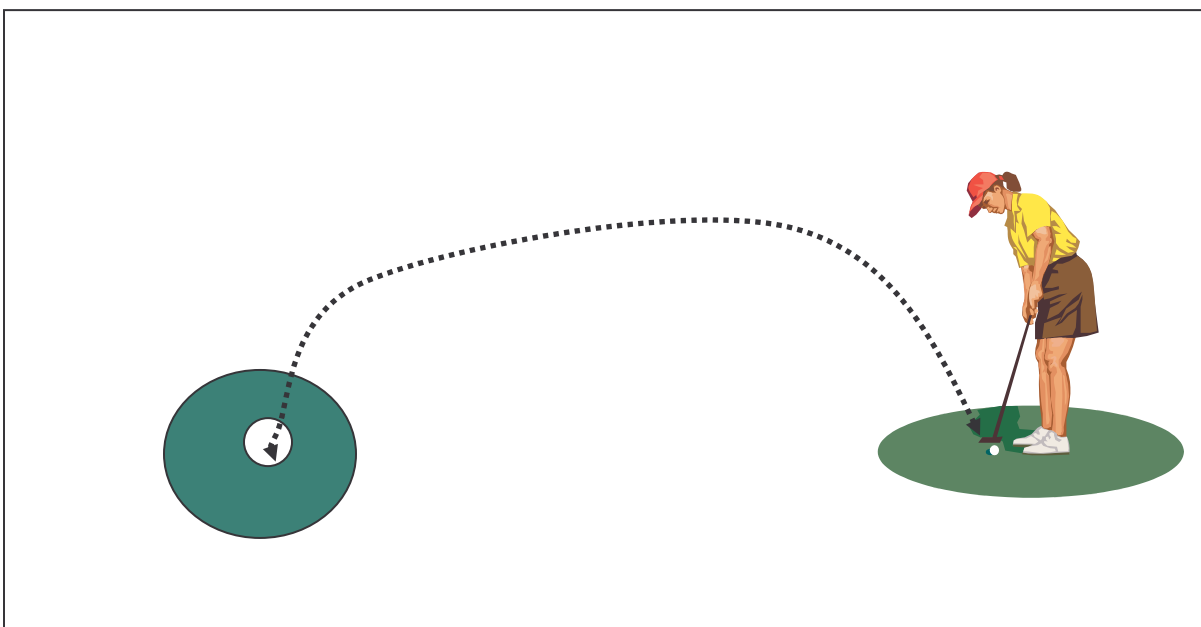
Doc_no	Doc_name	Specialty
134	A.K. Sharma	Surgery
204	R. Khurana	Dentist
301	S. Shyam	Neurology
280	P. John	Dermatology

- I. Name the field, which can act as the primary key for the table **Patient** and the table **Doctor** respectively. 1
- II. Name the field, which can act as the foreign key for the table **Patient**. 1
- III. What type of relationship exists between the table **Patient** and the table **Doctor**? 1

- d. What is the full form of PNG? 1
- e. Name any two file formats, which can be used for storing movie files 2
- f. Differentiate between the .FLA and .SWF file formats of a Flash movie. 2

**2. Questions given below are based on Macromedia Flash:**

- a. Define the term framerate. 1
- b. Write the difference between a Guide layer and a Mask layer. 2
- c. Define the term Symbol. 1
- d. Explain how to insert sound in a flash movie. 2
- e. Observe the figure given below and do as directed: 4



- I. The image on the right hand side shows the position and size of the ball for frame 1.

- II. The image on the left hand side shows that position and size of the ball for frame 40.
  - III. The dotted line shows the path of motion of the ball.
- Write the procedure and property settings for animating the above scenario.

3. Questions given below are based on HTML:

- a. What is the <DL> tag used for? 1
- b. Name the tag and attribute used to set a checkbox as selected by default. 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**

- I. Title of the page should be "Tourism Industry"
- II. Background colour of the page should be "Silver", Link colour should be "Maroon", visited link colour should be "Red".
- III. Picture used in the page is the file "beach.jpg"
- IV. Table should have a border of width 2.
- V. Use the concept of nested lists for creating the list given in the web page with specified bullets.
- VI. Pages linked to :
  - Front Office as "front.html"
  - Food & Beverages as "food.html"

## Hospitality Industry

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One of the industries which is on the path of rapid growth is the hospitality industry.


The Hotels today aims to provide the highest standard of accommodation, facilities and services at competitive prices.

Hotels are broadly classified as:

Hotels	Resorts
Business Hotels	Beach resorts
Lisuro Hotels	Hill resorts
Budget Hotels	Heritage resorts

**Departments in a Hotel**

1. **Front Office**
  - o Reservations
  - o Reception
  - o Guest Relations
2. **Food and Beverages**
  - Room Service
  - Coffee Shop
  - Restaurant



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4. Questions given below are based on ASP :

- a. Differentiate between Client Side scripting and Server – side scripting. 1
- b. Define variant datatype. Name any two sub-types of the variant datatype. 2
- c. Explain with example the usage of the Form collection of the Request object. 2
- d. Differentiate between the Ad Rotator and Content Rotator components of ASP. 2
- e. Give the usage and syntax of the following in-built functions: 2
  - I. ABS()
  - II. CDate()
- f. Differentiate between a Read and ReadLine methods of the TextStream object. 1
- g. Differentiate between Connection String and DSN connection to a database. 2

- h. What is the purpose of using **global.asa** file? 2
- i. Rewrite the following code after removing errors with each correction underlined. 4
- I.** <%  
 Dim num = 12  
 B = 0  
 Do num > 0 step 1  
 B = num mod 10  
 Num = num - 2  
 Next loop  
 Response.write b  
 %>
- II.** <HTML>  
 <HEAD>  
 <%  
 sub vbproc(num1,num2)  
 request.write(num1\*num2)  
 %>  
 </HEAD>  
 <BODY>  
 <p>  
 Result: <%call vbproc(3)%>  
 </p>  
 <%vbproc 3,4>  
 </p>  
 </body>  
 </html>
- j. Give output of the following statements: 5
- 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))  
**IV.** Response.write(ABS(3 - 11 \* 4 ^ 2))  
**V.** Response.write((4+5)MOD(3^2))
- k. Give output of the following statements: 8
- I.** <%  
 Arr = Array (25, 34, 30,45)  
 Max = ubound(Arr)  
 For I = max to 1 step - 1  
 Arr(I) = 100 - Arr (I)  
 Next  
 For I = 0 to max  
 Response.write(Arr(I) & "<BR>")  
 Next  
 %>
- II.** <%  
 Sometext= "Hello"  
 Max= Len (sometext)  
 For I = 0 to max  
 Newtext = Left (Sometext, I)  
 Response.write(strReverse(newtext))  
 Response.write("<BR>")  
 Next  
 %>
- III.** <%  
 Arr = Array (24, 14, 20, 45, 25, 1, 1, 31)  
 Max = ubound(Arr)  
 For I = max to 1 step -2  
 Arr(I) = 10 \* Arr(I)  
 Response.write(Arr (I) & "<BR>")  
 Next  
 %>
- IV.** <%  
 Sub sumfn(last)

```

Dim sum, sum2
Sum = 0
Sum2 = 0
For I = last To 0 Step -1
    Sum = sum + i
    Sum2 = sum2 + sum
Next
Response.write(sum $ " " & sum2)
End sub
%>
<%
Dim I
For I = 1 to 11
    Call sumfn(i)
Next
%>

```

- I. A software company wants to create a home page for its website. The company wishes to design an ASP coded web page with the following specifications: (3)
  - I. To display a welcome message to the user using his name entered into the text box.
  - II. To display the current date.
  - III. To display the name of the browser that the user is using.

## Nibble Software

Enter Your Name:

Welcome Manolina  
Today's Date is: 10/23/2006

Browser Used: Mozilla/4.0 (Compatible; MSIE 6.0; Windows NT 5.1)

- m. Gorgeous Products is a company, which deals in herbal beauty products. The company wishes to create a web site, which provides information about all their products. Write the ASP coding of the home page with the following specifications: (3)
  - I. To display links to other pages. The links Beauty Creams, Beauty Oils, Face Packs link to the files CREAMS.ASP, OIL.ASP and PACK.ASP respectively.
  - II. To display the number of times the page has been visited.

## Gorgeous Products

**Welcome to the world of beauty. Click the links below to view our products.**

[Beauty Creams](#)

[Beauty Oils](#)

[Face Packs](#)

**This page has been viewed 2163 times**

5. Questions given below are based on VBScript:

- a. Differentiate between Local and Global Variable in VBScript. 1
- b. Change the following script using FOR loop without effecting the output: 2

```
<SCRIPT LANGUAGE="VBScript">
DIM count, ans
Ans =1
Count =2
DO
ans=ans*count
count = count+2
LOOP WHILE count<=10
document.write(ans)
</SCRIPT>
```

- c. Change the following script using Do..... WHILE loop without effecting the output: 2

```
<Script Language="VBScript">
Dim Total, count
Total = 0
Count = 0
Do
Response.Write (Count & "<BR>")
Count = count - 2
Total = Total + Count
Loop Until count <1
Document.write(Total)
</Script>
```

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

```
<Script Language = "VBScript">
Name= "Web Tech"
Startword = true
For i = 1 to Len (Name)
If (startword) then
Document.write(Mid (Name, i, 1)
If (Mid (Name, i, 1)= " ") Then
Startword= false
Else
Startword = true
End if
End if
Next
</script>
```

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

```
<SCRIPT LANGUAGE="VBScript">
Dim Names()
Dim Count
Count = 2
ReDim Names(Count)
Names(0)="Raj"
Names(1)="Simran"
Names(2)="Nisha"
ReDim Preserve Names(Count + 2)
Names(3)="Maya"
Names(4)="Rohit"
Document.Write(Names(0))
Document.Write(Names(1))
Document.Write(Names(2))
Document.Write(Names(3))
Document.Write(Names(4))
</SCRIPT>
```

- f. Create a form that contains two checkbox options and a textbox as shown below. When the user clicks on any checkbox the selected options must be displayed in the textbox. Write the HTML code for creating the form and the embedded VBScript code for the click events of the checkboxes. 4

**The Check Box Control - Click on a check box.**

Please select the categories that interest you.

Movies

Books

You have selected: books

- g. 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

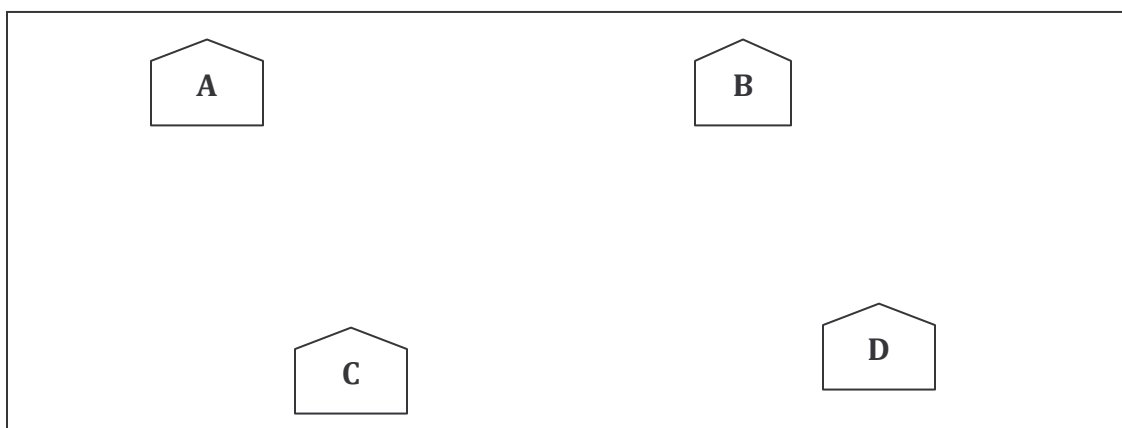
Trousers Rs. 900

Enter Number of Items you want:

**Calculate Cost**

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

- a. What is Modem? 1
- b. What is INTERSPACE? 1
- c. Differentiate between Star and Bus Topology. 2
- d. Differentiate between twisted pair cable and coaxial cable. 2
- e. Explain the following terms: 6
- I. Linux
  - II. OSS
  - III. Postgress
  - IV. GSM
  - V. Shareware
  - VI. TCP/IP
- f. An Organization has its offices in building A, B, C and D. Answer questions (I) to (IV) in context of the following layout of the the offices: 4



Centre to Centre distances between different buildings are as follows:

Block A to Block B	100 m
Block A to Block C	70 m
Block A to Block D	20 m
Block B to Block C	150 m
Block B to Block D	120 m
Block C to Block D	140 m

Each of the above buildings has following number of computers:

A	65
B	30
C	25
D	40

- I. Suggest and draw the layout for a network, with proper justification to connect all the office.
- II. Where would the following preferably be placed
  1. Switch
  2. Repeater
- III. Suggest the most suitable place to house the server for the organization with proper justification
- IV. If the organization needs to link up a branch office which is in a neighboring city, (around 100 km distant) suggest the best type of cabling connection, from the building housing the server, provided price is not a factor

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