



SAMPLE PAPER-2

Give the Output of following

- i. `Response.write(len (ltrim (" Essential Skills")))`
- ii. `Response.write(ucase(right("Essential Skills",5)))`
- iii. `Response.write(sqr(2-4*3^1))`
- iv. `Response.write(ucase(mid("Essential Skills " , 5 , 5)))`
- v. `Response.write(monthname(month("15-1-2007")+5))`
- vi. `Response.write((4+4) mod (3^3))`
- vii. `Response.write(ltrim(left("Essential Skills" , 7)))`
- viii. `Response.write(hour("00.30am")+7)`
- ix. `Response.write(3*7\5)`
- x. `Response.write(lcase(left("Essential Skills",4)))`
- xi. `Response.write("Essential Skills -" & "learn in 66 days")`
- xii. `Response.write (weekdayname(weekday(date())))\`
- xiii. `Response .write(LEFT(RTRIM("### IPL India"),5)`
- xiv. `Response .write(MID("Other places to search",4,2))`
- xv. `Response .write(LEN("multimedia & web Technology"))`
- xvi. `Response .write(INSTR("Alumni 2013","20"))`
- xvii. `Response .write(ABS(1^3200-10*4/2))`
- xviii. `Response.write(ucase(mid("we become leaders and innovators by performing leading and innovating actions.",2,13))`
- xix. `Response.write(instr("My India My Pride..." , "ia")`
- xx. `Response.write(Right ("Different Shades of Patriotism" , 4)`
- xxi. `Response.write(ucase(mid(" WEB TECHNOLOGY",2,abs(13 mod 7^1^30 -2))`
- xxii. `Response.write(instr("mistrust or DISTRUST" , "st")`
- xxiii. `Response.write(Right (" CLASS XII , HOUR(#4:30:10 AM#)`
- xxiv. `Response.write(INSTR (LTRIM (" WEB TECHNOLOGY") , "LOGY"))`
- xxv. `Response.write(LCASE(MID("HeLLoW HoW ARe YoU " , 3 , 9)))`
- xxvi. `Response.write(LTRIM(RIGHT("congratulation##### " , 9)))`
- xxvii. `Response.write((13/5 >4 MOD 5) OR (2^3^2+19\2))`
- xxviii. `Response.write(streverse (mid("card game",sqr(4),year(date())\1005))`
- xxix. `Response.write(right("special character",day(date()) mod 6))`
- xxx. `Response.write(ucase (mid("discription",3,instr("performed","or"))))`

SAMPLE PAPER-2@MMWT

Rewrite the following code after correcting the errors:

```
<"script language" =vbscript>
sub result()
dim s
s=1
do while s<10 jump 1
a mod 2 equals 0 then
Ans=ans*a
Endif
next
document.right(ans)
</script>
```

Underline the errors in the following ASP code and write the corrected script.

```
<% option explicit
dim arr(8),max
arr=array(25,14,20,45,25,4,1,31)
max=upbound(arr)
for i=max to 1 go -2
arr(i)*10= arr(i)
document.write (arr(i) & "<br>" )
loop
%>
```

Rewrite the following code after correcting the errors:

```
sub result()
dim n1,n2,sum
n1=5 n2 =10
for i=n1 upto n2 skip 2
if n1>n2 then
n1+n2=sum
next
end sub
```

Find the errors in the following ASP code

```
<%
s=" Dynamic Array"
for I = 1 upto 7 skip 2
n=mid(s,I,2)
response.write (n)
document .write("<br>")
loop %>
```

Underline the errors in the following code and write the corrected script.

```
<HTML>
<BODY>
<% For A = 1 to 5 %>
<Font Size = <%A%>>
Hello User !!! <BR>
<Next>
</BODY>
</HTML>
```

Rewrite the following code after removing errors with each correction underlined.

```
<HTML>
<HEAD>
<%
Sub Proc1(n1, n2)
Request.Write(n1*n2)
%>
</HEAD>
<BODY>
<P>
Result : <% Call Proc1(3) %>
</P>
<% Proc1 3, 4 >
</P>
</BODY>
</HTML>
```

Find the errors in the following ASP code

```
2
<mtnl>
<body>
<%
s=" Dynamic Array"
do while (i<7)
if mod(len(s),2)
document.write (n)
next %>
</body>
</html>
```

<p>Write the equivalent script for the following code using FOR loop without effecting the output:</p> <pre><SCRIPT LANGUAGE="VBScript"> DIM A,B A=1 B=2 DO A=A*B N=N+2 LOOP WHILE N<=10 </SCRIPT></pre>	<p>Change the following script using Fornext without affecting the output:</p> <pre><script language="VBScript"> sub result() dim i,r,rev,k k=4320100 do while k>12000000 r=k mod 10 k=k+50000 loop end sub </script></pre>
<p>Convert the following coding in to do while -----loop</p> <pre><html> <body> <% s=array(12,45,87,54,90,76) max=ubound(s) for I = max to 1 step -2 s(I) = 10*s(I) response.write (arr(I) & "
") next %> </body> </html></pre>	<p>Convert the following coding in to fornext loop</p> <pre><% dim a,b,c,d,e,sum a=1,b=2,c=3,d=4,e=5 do while b<10 sum=a+b+c+d+e a=a+3 b=b+7 c=c-3 d=d*4 e=e/2 loop %></pre>
<p>a) Rewrite the following code using a DO WHILE instead of FOR Loop without affection the output :</p> <pre><Script Language="VBScript"> Dim prod Prod = 1 For n = 6 to 1 step - 2 prod = prod * 2 document.write (prod & "
") Next </Script></pre>	<p>Change the following script using Do while loop without affecting the output:</p> <pre>sum=0 for I = 0 to 4 for j= 0 to i-1 select case (i+j-1) case -1,0 sum=sum+1 case 1, 2,3 sum=sum+2 case else sum=sum+3 end select next next</pre>

SAMPLE PAPER-2@MMWT

<p>a) Give the output for the following code segment:</p> <pre> <% fun carbonfootprint(c,b,d) dim cfp if d <40 then cfp=c*600+b*200 elseif d<100 and d>40 then cfp=c*1000+b*500 else msgbox("do not use your own vehicle ") end if carbonfootprint=cfp end function%> rem main program <% dim car , bike , distance car=3 bike=2 distance=47 response.write(carbonfootprint(car,bike,distance)) %> </pre>	<p>Find the output of the following ASP coding</p> <pre> <% arr=array(25,12,36,65,69,62,21,14,15,36) max=ubound(arr) for I = max to 1 step -2 arr(i)=abs(50-arr(i)) next for I = 1 to max response.write(arr(i) & "
") next %> </pre>
<pre> <% Dim cnt, num List = ARRAY (30,15,25,10,20,40,12,16) FOR cnt = 0 to 6 STEP 2 Num = List(cnt) + List(cnt + 1) RESPONSE.WRITE (num & "
") NEXT %> </pre>	<p>Give the output for the following ASP code segment:</p> <pre> <% Mytext = "AaBbCcDd" Max= len(mytext) For i= 1 to max step 2 changedtext=left(mytext,i) Response.write (strreverse(changedtext)) Response.write ("
") Next %> </pre> <pre> <Script Language="VBScript"> Dim S1, S2, LEN1, LEN2 S1 = "Happy" S2 = "Anniversary" LEN1 = LEN (S1) LEN2 = LEN (S2) IF LEN2 MOD LEN1 = 0 THEN DOCUMENT.WRITE (S1 & S2) ELSE DOCUMENT.WRITE (S2 & S1) END IF </Script> </pre>
<p>Give the output of the following code:</p> <pre> <Script Language="VBScript"> str = "MMWT" l = len(str) For k=1 to 1 step -1 Document.write(left(str,k)&"
") Next </Script> </pre>	<p>Find the errors in the following ASP code</p> <pre> <% s=" Dynamic Array" do while (i<7) if mod(len(s),2) document.write (n) next %> </pre>

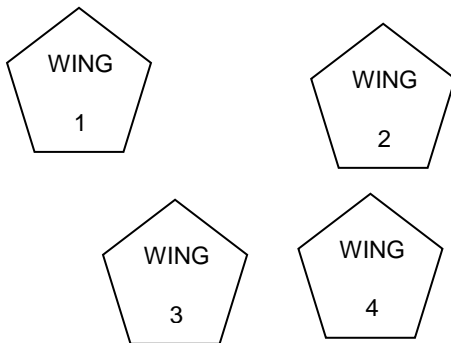
Web Technology (Others)

1. What do you mean by Open Source Software ? What are the conditions required for the Open Sources software ?
2. Define the following terms
 - a. FLOSS , GNU , FSF , OSI Localisation, UNICODE
3. How is freeware different from Shareware ?
4. Give some examples of Open Sources / Free Software and write their characteristics:
5. Write Short Note on Python, MySQL, PHP, TOMCAT, Lunix, OPenOffice

Networking

1. Write short notes on the following communication protocols:
HTTP,FTP,TCP/IP,PPP,SMTP,POP,IMAP,Telnet.
2. Explain the following network security concepts.
Cyber Law, firewall , Cookies , Hackers , Crackers.
3. Write a short note on Video Conferencing , Virtual Reality & Video On Demand.
4. Explain following LAN MAN WAN ?
5. Give Difference between Bus Topology & Star Topology
6. JP industry is a big organization and has 4 wings where it runs its software development

operations (shown below)



The distance between the different wings are given above :

Between 1 and 2	60 mts.
Between 1 and 3	110 mts.
Between 2 and 3	65 mts.
Between 2 and 4	90 mts

Each wing contains following number of computers

Wing 1	60
Wing 2	110
Wing 3	65
Wing 4	35

Answer the questions based on the above given information :

4

- i. Suggest suitable cable layout(s) for connecting the wings on the basis of best topology.
- ii. Where do you think the server should be placed and explain why ?
- iii. Suggest the type of cable that should be used if the organization wants to send large Amount of multimedia files and requires fast access.
- iv. The company also has an office in another city . how can link be established with this office (suggest transmission medium)?

ASP

1. What do you understand by the term server side scripting ? how is it different from client side scripting ?
2. Name any two technologies that are equivalent to ASP.
3. What is web server ? Name any two web server.
4. Name different data types supported by ASP.
5. Explain different Date and Time functions supported by ASP.
6. What do you understand by Dynamic array ? How is it declared ?
7. What is an argument ?
8. Explain the concept of object , property and method with an example .
9. Write a short note on ADrotator components of ASP . Explain with example.
10. What is the importance of GETAdvertisement method of ADrotator component ?
11. Write a short note on content Rotator component of ASP.
12. Explain the following two methods of content rotator:
 - i. Choosecontent
 - ii. Getallcontent
13. Explain the importance of page counter component of ASP.
14. Create a Schedule file for Content Rotator with three HTML Content
15. Create a Schedule File for Adrotator with Three Advertisement
16. Create a page Counter for Website
17. Create a Text File “abc.txt” and write five lines about yourself
18. Explain the use of AtEndOfStream
19. Difference between Readline and Readall
20. Explain Filesystem Object & textStream Object
21. What is the use of Server.Mappath
22. Difference between OpenTextFile & CreateTextFile Methods
23. Write a Asp Code to read File (ABC.txt) and display alternate line in uppercase
24. Write a Asp Code to read File (ABC.txt) and display content in uppercase and count no of words
25. Write a Asp Code to read File (ABC.txt) and display count of no of characters in Uppercase/LowerCase
26. Write a Asp Code to read File (ABC.txt) and display count of vowels and lines
27. Write a Asp Code to read File (ABC.txt) and display content of lines starting with “A” or “W”
28. Write a Asp Code to read File (ABC.txt) and display content of lines starting with “A” or “W” in Uppercase and also display the no of words present in these lines

Database

Define the following terms with example

Database	Degree	Cardinality	Tuple
Primary Key	Foreign Key	Alternate Key	

Difference between

Text & Memo	Number & Auto Number
Datasheet View & Design View	OLE & Hyperlink

Suggest the data types for the following Teacher Table:

T_Code	- Teacher's Code generated Automatically
T_Name	- Teacher's Name
DOB	- Date of Birth
Basic_Sal	- Basic Salary
Qualification	-Qualification of a teacher (List should appear like- M.A., B.A,)
Photo	-Photograph of a teacher
Bio-Data	-Ms-Word file.
Blog	-Teacher's Blog on Internet

Name the Following

- i) An attribute which is capable of becoming a primary key.
- ii) The view in which we can add, edit and view records in MS-Access.
- iii) A data type used for linking to an internet or another location in the database.
- iv) A built in set of rules Access uses to make sure that the relationship is valid . it can also prevent accidental deletion or editing of data.
- v) Alphanumeric characters upto 65,535 characters.
- vi) The number of records in a relation.
- vii) A data type used for logical value(true/false) in the database.
- viii) A key that does not allow Null values and must always have a unique value.
- ix) The number of fields in a relation.
- x) Key used to relate two tables.
- xi) Any two data types used to store alphanumeric characters in Access.
- xii) Sound,picture, other data such as MS-Word /MS-Excel file can be store in this data type
- xiii) A data type which can be used to automatically store monetary values with appropriate sign, commas and decimals
- xiv) Data type which can store Photograph of a person
- xv) Extension of MS-Access Database file
- xvi) A part of the Microsoft Office suite that is used to create and manage databases
- xvii) Key which can uniquely identify the record but it is not be primary key
- xviii) Key which is made up of two or more attribute

EVENT HANDLING

- 1) Write the code to display the below **form** and add the **vbscript** to display the results as written when user enter no and click on button. <4>

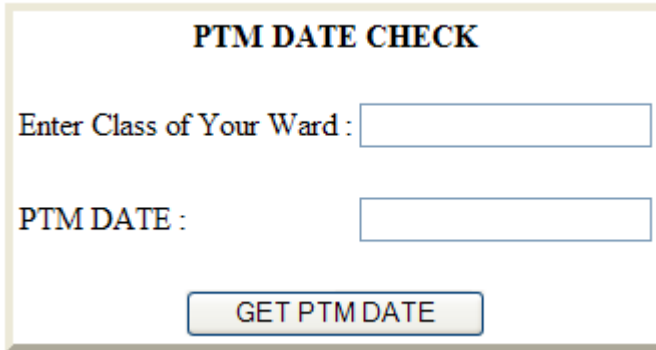
Current Year :

Current Month Name :

Enter No :

Even / Odd

2) Write the HTML code to generate the following form :
<4>

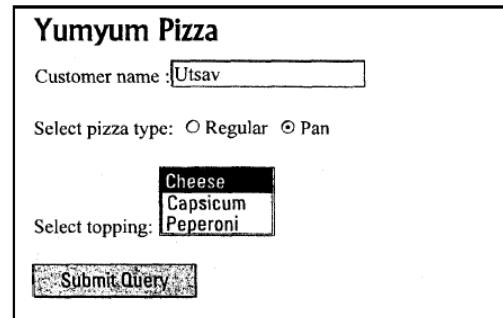


Write the VBScript code to display the PTM date on the click of the GET PTM DATE button as :

- 12/10/2012 if class entered is between 1 to 6 and
- 15/10/2012 if class is between 7 to 12
- If the user enters any class other than the above then an error message should be displayed.

3. Write the HTML code for creating the form given below and also write the embedded VBScript code for the click event of the submit button, such that it displays a message with the name entered by the user and amount of his bill. The costs are given below :

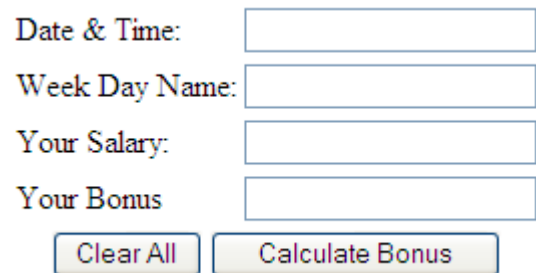
- Regular Pizza : Rs. 200
- Pan Pizza : Rs. 250
- The toppings cost extra :
- Cheese Topping : Rs. 80
- Capsicum Topping : Rs. 95
- Peperoni Topping : Rs. 70



If the user enters name as “Umang” and selects “Pan” and topping as “Cheese” then it should display the message “**Dear Umang ! Your bill amount is Rs. 330**” in a message box.

4. Write the **code** to display the below form and add the **vbscript** to display the results as written when user **enters salary** and **click on calculate bonus button**.

- If salary is ≥ 25000 , Bonus is 5% of salary
- If salary is ≥ 15000 , Bonus is 3% of salary
- If salary is < 15000 , No Bonus



5. Write the code to display the following form and add the vbscript to display the results as written when user enter no. of days that he has worked and wages per day and clicks on calculate button.
(total salary=No. of days*Wages per day)

Current Date	<input type="text"/>	Current Time	<input type="text"/>
No. of days	<input type="text"/>		
Wages per day	<input type="text"/>		
Total Salary	<input type="text"/>		
	<input type="button" value="Clear"/>	<input type="button" value="Calculate"/>	

6. Write an HTML (VBSCRIPT) code for creating a form, which contains five textboxes as shown below. The first textbox accept travel code and second textbox accept number of adults and third text box accepts number of children ,forth text box accepts distance in KM .. In the fifth textbox calculate total fare as follows

Fare(Rs)	For Distance (Km)
500	>=1000
300	<1000 & >=500
200	<200

for each adult
for each child the above Fare will be 50% of the Fare mentioned in the above table
for example

if the distance is 750, no_of_adults=3 and no-of_children=2
then the total fare should be calculated as
no_of_adults*300+no_of_children*150
i.e $3*300+2*150 = 1200$

The screenshot shows a web browser window titled 'Form1'. It contains five textboxes arranged vertically, each with a label to its left: 'T_Code' (Text1), 'No Of Adults' (Text2), 'No Of Children' (Text3), 'Distance' (Text4), and 'TotalFare' (Text5).

7. 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 number of items as 2 then the total cost will be Rs. 600.

Online Shopping

Select Your Choice (Any one) :

Shirt Rs. 650
Trousers Rs. 900

Enter Number of Items you want :

8. Write an HTML code for creating a form, which contains three textboxes as shown below. The first two textboxes accept two numbers as input from the user and the third textbox displays the sum of these two numbers. Include the VBScript code which contains a user-defined function required to be called when the user changes the values in any of the first two text boxes.

Enter numbers into the first two text boxes to find their sum

<input type="text" value="10"/>	+	<input type="text" value="2.5"/>	=	<input type="text" value="12.5"/>
---------------------------------	---	----------------------------------	---	-----------------------------------

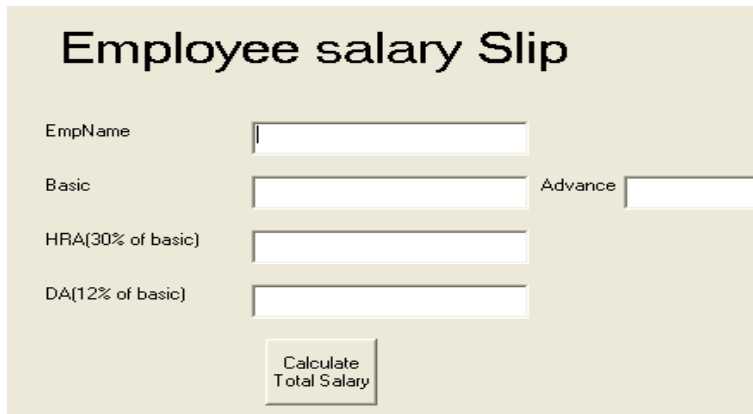
9. Create a form as given and write a function to calculate total amount. Where
$$\text{TOTALAMOUNT} = \text{QTY} * \text{RATE} + \text{EXTRA CHARGE}$$

Basera Restaurant

Name	<input type="text"/>
Quantity	<input type="text"/>
Rate	<input type="text"/>
Extra Charges	<input type="text"/>

10. Create a form as given and write a Procedure to calculate total salary. Where

$$\text{TOTALSALARY} = \text{BASIC} + \text{HRA} + \text{DA} - \text{ADVANCE}$$



Employee salary Slip

EmpName

Basic Advance

HRA(30% of basic)

DA(12% of basic)

11. Develop a Interest Calculator application as per given screen snapshot, to Calculate total Interest & Total amount for given Principal Amount, Rate of Interest and Time User can choose the type of Interest using the radio button

Simple Interest(I)

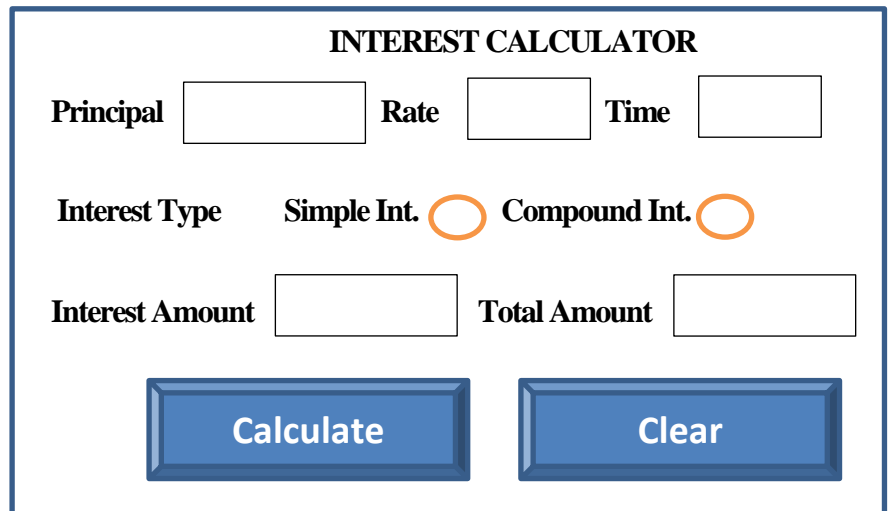
$$= \frac{P * R * T}{100}$$

Total Amount(A)

$$= \text{Principal Amount}(P) + I$$

$$\text{Total Amount}(CA) = P(1 + \frac{R}{100})^T$$

$$\text{Compound Interest (CI)} = CA - P$$



INTEREST CALCULATOR

Principal Rate Time

Interest Type Simple Int. Compound Int.

Interest Amount Total Amount