Sample Paper -2 for Exam 2016
Based on VBSCRIPT & ASP
Q4,Q5,Q6 (Total Marks Covered : 30)

VBSCRIPT

1. **Name the tag and attribute used to add VBscript in HTML**
2. **Differentiate between Client Side & Server Side Script**
3. What is VBScript?
4. What is Variant Data Type? Name 5 Subtypes
5. What is Procedure? Name Two Types of Procedure in VBScript
6. What is difference between Sub Procedure and Function
7. What is Argument(Parameter)
8. What are different way to call Procedure
9. What are comment in VBSCRIPT How can we give comment in VBScript
10. Differentiate between Fixed and Dynamic Array with Example
11. What is use of Option Explicit statement in VBScript
12. What is DIM
13. Differentiate Between Local & Global Variable with Example
14. What is EVENT. What is Event Handler
15. **Name the Built in Function to do the following**
    i. To convert expression to integer
    ii. To Convert a Character to Uppercase
    iii. To Convert a Character to String
    iv. To return a number to specific decimal places
    v. To check String 2 occur within String 1 and return the staring position of String 2 in String 1
    vi. To extract the year part of a date.
    vii. To Reverse a String
    viii. To return the square root of a number.
    ix. To Return Current Date and Time
    x. To remove the trailing spaces from string
    xi. To Compare Two String
    xii. To Return a random Number
    xiii. To Check Expression is Numeric or not

16. Name the Event which can be used for the following
   i. To Display a Message every time viewer closes a webpage
   ii. To Deactivate a particular textbox from Form
   iii. To Perform an action when Button is Pressed
   iv. To Perform an action as soon as the content of text box change
   v. To Perform an action when the button gain focus
   vi. Extract a portion of a string after specifying the starting position from where the string is to be extracted and how many characters are to be extracted

17. Give the Output
   a. Document.write(INSTR(LTRIM(" WebTech"), "Tech"))
   b. Document.write(UCASE(RIGHT("Multimedia",5)))
   c. Document.Write(ROUND(3/2 + 5*(4-2)))
   d. Document.write (UCASE(MID("Hello There"),7,3)))
   e. Document.write (MONTHNAME(MONTH("15-2-2003")))
   f. Document.write (LTRIM(LEFT("###Class XII",6)))
   g. Document.write (LEN(MID("Multimedia",4,3)))
   h. Document.write (DAY("20/4/2005"))Document.Write(INSTR("This is exam", "his"))
   i. Document.Write(ROUND(3/2 + 5*(4-2)))
   j. Document.write(UCASE(MID (LTRIM("####Welcome to Kuwait"), 4,4))
   k. Document.Write(ROUND(3+7/2 + 5*(4/2*3\2)))
   l. Document.write ((LEFT("###KUWAIT AIRWAYS", Month("23-09-2014"))
   m. Document.write(INSTR(LTRIM("##INTERNATIONAL##"), "na"))
   n. Response.write(STRREVERSE(MONTHNAME(Instr("Welcome", "om"))))
   o. Response.Write (Mid("Welcome to our Site!!",sqrt(81),2))
   p. Response.Write (Mid("Welcome to our Website !!",Hour(#11:30:05#), sqrt(49)))
   q. Response.write(Monthname(InStr("mistrust or DISTRUST" , "ST")))
   r. Response.write((2^3 < 5) AND (8 * 5 / 2 > 21))

18. Give the output of the following code segment:

```
<Script Language="VBScript">
sometext = "India@"
max=Len(sometext)
For i=0 to max
newtext=Left(sometext,i)
Document.write (strReverse(newtext))
Document.write ("<br>")
next
</script>
```

```
<Script Language="VBScript">
Dim a, b, sum
a = 10
For b = 1 to 3
    sum = sum + a + b
    a = a – b
    Document.write(a & "<br>")
Next
Document.write(sum)
</Script>
```

```
<Script Language="VBScript">
A = "54321"
max=Len(A)
Do While(max>0)
B=RIGHT(A,max)
Document.write (strReverse(B))
Document.write ("<br>")
max=max-1
loop
</script>
```

```
<Script Language="VBScript">
Arr = Array(25,30, 45, 76)
Max = UBound(Arr)
For I =Max to 1 Step -1
Arr(I) = 100 – Arr(I)
Next
For I = 0 to Max
Document.Write(Arr(I) & "<BR>")
</script>
```

19. Re-Write the program **using Do while** without affecting the output	
```<Script Language="VBScript"> Dim num , flag Flag=0 Num=10 For A =2 to Num/2 Document.write("Hello") Flag=Flag+1 Document.write(Flag) Next </script>```	```<Script Language="VBScript"> 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 </script>```
```<Script Language="VBScript"> s=array(12,45,87,54,90,76) max=ubound(s) for I = max to 1 step -2 s(I) = 10*s(I) document.write (arr(I) & " ") next </Script>```	```<Script Language="VBScript"> Dim prod Prod = 1 For n = 6 to 1 step – 2 prod = prod * 2 document.write (prod & " ") Next </Script>```
```<Script language="VBScript"> str ="Multimedia and Web Tech" For i=5 to Len(str) step 3 Document.Write(Left(str,i)) Next </script>```	```<Script language="VBScript"> arr=array(25,12,36,65,69,62,21,14,15,36) max=ubound(arr) for I = max to 1 step -3 arr(i)=abs(50-arr(i)) Document.write(arr(i) & " ") next </script>```

20. Re-Write the program **using For… Next** without affecting the output

```
<Script Language="VBScript">
A = "54321"
max=Len(A)
Do While(max>0)
B=RIGHT(A,max)
Document.write (strReverse(B))
Document.write ("<br>")
max=max-1
loop
</script>
```

```
<Script Language="VBSCRIPT">
i=1
A=array(10,20,30,40,50,60)
max=ubound(A)
do while(i<=max)
    A(i)= A(i)\3
    i=i+2
    Document.Write(A(i))
loop
</Script>
```

```
<Script Language="VBScript">
Dim a, b, sum
a = 10
b=1
do while ( b <= 6 )
sum = sum + a + b
a = a – b
Document.write(a & "<br>")
b=b+2
Document.write(sum)
</Script>
```

```
<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>
```

21. Underline the Error and re-write corrected code

```
<Script Text="VBscript">
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
</Script>
```

```
<Script Language>
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
</Script>
```

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

```
<script type="vbscript">
    sub totalj
    define total
    for j = 2 till 10 step 2
            total = total + j
    next
    message ("the total is:"& total)
    end sub
    call totalj
</script>
```

22. EVENT HANDLING

A) Write a VBScript Code to get user input two string in two textboxes and show. The reverse of combined string in third box on the click of button **3**

String1 | **Good** | String 2 | **Luck** | String 3 | **kcuLdooG**

B) Write the code to display the below form and add the vbscript to display the results as written **4**
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

Date & Time: [_____]
Week Day Name: [_____]
Your Salary: [_____]
Your Bonus [_____]
[Clear All] [Calculate Bonus]

C) 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 [_____]

[Click]

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

PTM DATE CHECK

Enter Class of Your Ward : [_____]

PTM DATE : [_____]

[GET PTM DATE]

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
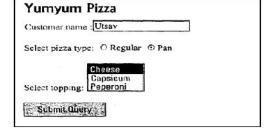- If the user enters any class other than the above then an error message should be displayed.

E) 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 a

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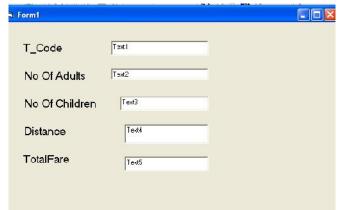   The toppings cost extra :
    Cheese Topping   :   Rs. 80
    Capsicum Topping :   Rs. 95
    Peperoni Topping   :   Rs. 70

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.

F) 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

for each child the above Fare will be 50% of the Fare

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

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

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 theitems bought and displays it in an message box. For example if the userselects T-Shirt as the item and enters the number of items as 2 then the total cost will be Rs. 600.

H) 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.

ASP

1. What is Ad rotator Component Name Two Properties and Method used to create Ad Rotator
2. What is Content Rotator Name two Method of Content Rotator
3. What is Page Counter Component Name Three Properties and Methods
4. What is Global.asa Give Structure of Global.asa file
5. Give difference between Hits() and pagehit() method
6. Differentiate between read and readall method of textstream object.
7. Complete the code which shows the no of visitor

    <% Set pageCount = _____("_____.PageCounter") %>
    <% pageCount._____ %>
    You are visitor number <% _____ %> to this Web site.
8. Differentiate between the RESPONSE object and REQUEST object .
9. Observe the program segment given below carefully and fill the blanks using methods of the RecordSet object for performing the required task.

    ```
    <%
    DIM objConn, strConn, objRS
    SET objConn = _____("ADODB._____")
    strConn = "DSN=exam"
    objConn. Open strConn
    SET objRS = _____.CreateObject("_____")
    objRS.Open "_____", objConn, 2, 2
    objRS._____ 'Move the cursor to the end of file
    _____ 'Line 1 to Add a new blank record
    objRS("AdmNo") = _____.Form("AdmNo")
    _____("Name") = Request.Form("Name")
    _____ 'Line 2 to save the record in the database
    objRS._____
    objConn.Close
    SET objRS = _____
    SET objConn = _____        %>
    ```

10. Find output

- Response.write(strreverse (mid("Must write supporting answer",11,6)))
- Response.write(instr("this is exam" , "is"))
- Response.write((8*2-5+18<34) IMP (9>5))
- Response.Write(LCASE(MID("Plastic Elements"),3,8)))
- Response.Write(MONTHNAME(MONTH(CDATE("12-12-2010"))))
- Response.Write(CINT((5+5)/(3^2)))
- Response.write (NOT TRUE AND (TRUE OR FALSE))
- Response.write(RIGHT("Let's Learn and Experiment",LEN("LEARN")))
- Response.write «5-3)*(4/2-3))
- Response.write(strreverse (left(mid("Must write supporting answer",6,6),4)))
11. Name any two server variables?
12. Name objects required to manage database through ASP.
13. Buffer object is associated with which object? What is its use.
14. What is QueryString how it is different from Request.Form

15. Create a program to read a text file named data.txt and count the number of vowels and consonants.

16. Write a program to read a text file named upper.txt and display the contents of the file after converting all the alphabets to upper case alphabets.

17. Online Bazaar uses its website to make money through banner advertisements. Create an ASP file "online.asp" with the following specifications:
To use the AdRotator component to display the advertisements stored in the file "ads.txt"

18. Green Environment Club is a company, which aims at creating an awareness among the people about the ill-effects of pollution. The company wishes to create a web site, which provides information about all their activities. Write the ASP coding for the home page with the following specifications
To display links to other pages. The links Reuse Recycle, Activities, Join Us link to the files Reuse.ASP, Activity.ASP and Join.ASP respectively Page would look like as given below

19. Differentiate between END and Flush method of Response Object (2)
20. What is a cookie? What kind of information can be stored in cookies? (1)

21. 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>
```

22. Give the output for the following code segment:

```
<html>
<body>
<%
Txt = "India!"
Max = Len(Txt)
For I = 0 to Max
Ntxt = Left(Txt, I)
Response.Write(strReverse(Ntxt))
Response.Write("<BR>")
Next
%>
</body>
```

23. Write the OnStart event of Application Object to initialize the values of variables – Name, Address, DOB, Class, email.   (Values – "Geet", "Chandigarh", "23/10/92", "XII", geet@yahoo.com.)

24. How the Application_OnEnd is different from Session_OnEndevent ?

25. What is PermissionChecker object

26. What is use of Record Set Object?

27. Differentiate between optimistic and pessimistic locking of a record set.

28. Difference Between AtEndOfLine & AtEndOfStream

29. Explain the following method with syntax a) Lock   b) Unlock   c) Redirect d) Transfer e) Mappath   f) Abandon   g) Binaryread

30. Give Difference between a) End & Flush   b) Execute & Transfer

31. What are ServerVariables of response object?

32. Dddd

33. Read the following code carefully

```
<%Response.Buffer=True%>
<%
Response.write("1. II cycle test paper")
Response.write("2. ASP")
Response.write("3.All the best")
Response.write("4. Illusion of knowledge is not education, but ignorance. Foolish people
have a strange kind of confidence which comes only with ignorance.")
Response.write("5. Do your best!")
Response.write("6. Being ignorant is not so much a shame as being unwilling to learn to do
things the right way.")
%>
```
i.   Place end, clear and flush methods of response object in such a way so that it only display 3th and 5th point.
ii.   What will be the output if you will interchange the position of flush and clear.

34. Create the **global.asa** file which contains an application variable called "onlineusers" which keeps track of the number of users currently viewing the web page.(Hint: each time a new user views the page (application("onlineusers") will be increased by 1, and identically , each time a session is finished ,this parameter will be reduced by 1) . Also create a file to display this counter.

35. Read the following code carefully

```
<html><head><title> execute and transfer </title></head>  <body>
<%
Response.write( "  welcome")
Response.write("<br> welcome back")
Server.execute ("city.asp")
Server.transfer("country.asp")
Response.write("<br>we all  welcome you again")
%>
</body>  </html>
```
i.   What will be the output of the following code if city.asp contains "to the Multimedia Lab" and country.asp contains "Welcome to Research & Development unit".
ii.   What will be the output if you will interchange the position of execute and transfer.

36. Give the output of the following statements:
1. Response.write(Right(UCase("Swine flu Pandemic"),Len("cases")))
2. Response.write(InStr("mistrust or DISTRUST" , "ST"))
3. Response.write(isnumeric(MONTHNAME(MONTH("12-12-2009"))))
4. Response.Write(ABS(10*2\3+5^2-6*6))
5. Response.write(strreverse (mid("card game",sqr(4),year(date())\1005)))
6. Response.write(right("special character",day(date()) mod 6))

37. Study the code given below

```
<%
Set FileObj=_____ ("Scripting.FileSystemObject")
Set mfile= FileObj._____("d:\contentvnlths.txt")
Do UNTIL newsfile._____
ch= newsfile.Read(1)
If ch=". " Then
Ch="; "
end if
Response.Write(ch)
Loop
newsfile._____
%>
```

  I. Fill in the blanks to complete the above code fragment that reads the text in the file Headlines.txt and displays the same on the web page after converting all full stops (.) to semi-colons (;).

  II. Rewrite the code for the loop using DO WHILE instead of DO LTNTIL

  III. How would the output of the above script change if we used the Readline method instead ofRead(l) ?

38. write a program in ASP to count the number of space in a paragraph stored in "d:/wwwroot/localhost/astronaut.txt"

39. Write a program in ASP to count of the word "is" as an independent word in a text file endavour.txt. for example

    This is his book . is this book good ?

    Then the output of the program should be 2.

40. Write an ASP program to read a text file named **"mytext.txt"** and display the contents of the file on the screen after converting all alphabets to upper case letters and replacing all spaces with "#".

    For example if the file contains the text :

    Work is Worship.

    The program should display :

    WORK#IS#WORSHIP.

41. Create a program to read a text file named data.txt and count the number of vowels and consonants.

42. Create a program to read a text file named data.txt and Display a line beginning with Vowels in a file

43. Create a program to read a text file named data.txt and count the word starting with "A" or T".