<center>Model Viva Questions for : **DYNAMIC WEB PAGE DESIGN**</center>

<center>Common to: **VIth Sem IT, VIth CSE**</center>

Title of the Practical: Write a program using dim statement and also perform addition, subtraction multiplication and division of two numbers.

Q1: What is ASP?
A1: An ASP is an active server page . It is a standard HTML file that is extended with a server side scripts, objects and components.

Q2: What type of scripting that an Asp contains?
A2: Asp contains server side scripting.

Q3: What is a Dim statement?
A3: Dim statement is used with variable declaration . Variable declared with Dim statement within a procedure exixt only as long as the procedure is executing.

Q4: What does the modular operator perform?
A4: The modular operator Mod, yields the nteger remainder after Integer division.

Q5: What are different arithmetic operators?
A5: Addition, subtraction, multiplication(*), Division, Exponentiation(^) etc.

Q6: What is a variable?
A6: A variable is a named location in computer memory that you can use for storage of data during the execution of your scripts

Q7: What are the methods of declaring variable in Vbscript?
A7: There are two methods for declaring variables in VBScript, explicitly and implicitly.

Q8: What is scope of Variable?
A8: The scope of a variable dictates where it can be used in your script. A variable's scope is determined by where it is declared.

Q9: Explain about VB Script?
A9:VB script is a Microsoft programming language and it resembles a lower version of the VB. It is an Active Scripting language. This scripting language is included in windows operating system by default. With the use of msscript.ocx you can install VB Script.

Q10: What is the difference between Dim And Redim.
A10: Dim statement is used to formally declare a variable, where as ReDim statement is used to resize a dynamic array that has already been formally declared.

Title of the Practical: A program based on the following :
    (a)If- Program to check whether number is even or odd.
     (b)Select case- Program reads student's grade given from keyboard (from 1 to 5) and prints it's description.
    (c) Do loop- Program to print numbers from 1 to 10 using do loop.
    (d) While- Program to print number from 1 to 5 until the condition is false.
    (e)For next- Program to display number 1 to 10 by For Next loop.

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Q1: What are different control flow statements in ASP?
A1: Active Server Pages has many different control flow statements to handle the execution of your ASP page. The conditional statements are: If Then, If Then Else and Select Case. The looping constructs are For Next, Do While, Do Until and While. Conditional expressions in ASP do not need to be enclosed in parentheses ("(" and ")").

Q2: When will you use select case?
A2:You can use the SELECT statement if you want to select one of many blocks of code to execute.

Q3: What is if statement ?
A3: if statement - use this statement if you want to execute a set of code when a condition is true.

Q4:What is the use of conditional statement?
A4: Conditional statements are used by your program to make decisions and decide what the program should do next.

Q5: What is a looping constructs?
A5: Looping constructs are used for repeating the same step over-and-over again.

Q6: What is the use of for next statement?
A6: The "for next" loop allows you to repeat a block of code using an incremental counter. The counter is initialized at the start of the loop and then incremented at the end of the loop. At the start of each repetition, the counter is checked to see if it has exceeded the ending value.

Q7: How do while statement works?
A7:Another looping construct is the **Do While** loop which will repeat a block of program code as long as the condition is met. This is kind of like the **If Then** conditional statement in that it expects a boolean expression.

Q8: Explain some uses of VB Script?
A8: If functionality aspect is considered VB Script acts similar to Java Script but it is compatible only on internet explorer. They interact with Document object model. Visual basic script can also be used for server side processing with ASP.

Q9: What is A variant data type?
A9: The Variant datatype can contain a wide array of subtypes, thus, the programmer need not worry about making sure that certain variables are capable of supporting a specific type of data. The following table shows the subtypes of data that a Variant can contain.

Q10: What is the scope of a variable?
Q10: The scope of a variable defines whether a variable will be accessible in the whole function or will be accessed only to its local instance.

Title of the Practical: A program based on the following :
(a) Subroutines – Program showing how to call a subroutine within ASP.
(b) Program showing argument passing to subroutine.
(c) Built-in function- Program on different built-in-functions such as Abs(),Fix(), Int() of Vbscript

Q1: What is a subroutine?
A1: subroutine (also called procedure, method, function, or routine) is a portion of code within a larger program that performs a specific task and is relatively independent of the remaining code.

Q2: What do you understand By Arguments?
A2: n computer programming, a parameter is a special kind of variable, used in a subroutine to refer to one of the pieces of data provided as input to the subroutine.[1]. These pieces of data are called arguments.

Q3: Name some built in functions of VB Scipt?
A3: Abs- Gives the absolute value of a number. Array -Gives a Variant containing an array- Asc Gives the ANSI character code corresponding to the first letter in a string . Atn- Gives the arctangent of a number.

Q4: How Does it Work?
A4: When a VBScript is inserted into an HTML document, the Internet browser will read the HTML and interpret the VBScript. The VBScript can be executed immediately, or at a later event.

Q5: What boolean operators does JavaScript support?
A5: &&, || and !.

Q6: What does "1"+2+4 evaluate to?
A6: Since 1 is a string, everything is a string, so the result is 124.

Q7: What are JavaScript types?
A7: Number, String, Boolean, Function, Object, Null, Undefined.

Q8: What looping structures are there in JavaScript?
A8: for, while, do-while loops, but no foreach.

Q9: 10.How to embed javascript in a web page?
A9: javascript code can be embedded in a web page between <script langugage="javascript"></script> tags.

Q10: Can javascript code be broken in different lines?
A10: Breaking is possible within a string statement by using a backslash \ at the end but not within any other javascript statement.

Title of the Practical: A program to make use of response buffer, response, Clear, response flesh response expires.

Q1: What is a buffer property?
A1:The Buffer property specifies whether to buffer the output or not. When the output is buffered, the server will hold back the response to the browser until all of the server scripts have been processed, or until the script calls the Flush or End method.

Q2: What is a response buffer?
A2: The Buffer property cannot be set after the server has sent output to the client. For this reason, the call to Response.Buffer should be the first line of the .asp file.

Q3: What is the use of response object?
A3: The Response object is used to send output to the client from the web server.

Q4: Write he syntax of response object.
A4: Response.collection|property|method.

Q5: Explain the work of response expire property.
A5: The Expires property specifies the length of time (in minutes) that the client machine will cache the current page. If the user returns to the page before it expires, the cached version will be displayed..

Q6: Explain the work of response clear method.
A6: The Clear method erases any buffered HTML output. It does so without sending any of the buffered response to the client. Calling Clear will cause an error if Buffer property of the Response object is not set to True.

Q7: Explain the work of response end method.
A7: The End method stops the processing of the script in the current page and sends the already created content to the client. Any code present after the call to the End method is not processed.

Q8: Explain the work of response flush method.
A8: The Flush method sends buffered output to the client immediately. Flush will cause a run-time error if Buffer property of the Response object is not set to True.

Q9: What is write method in ASP response object?
A9: The Write method writes a specified string to the output.

Q10: What is status property in ASP Response?
A10: The Status property specifies the value of the status line that is returned to the client machine from the web server.

Title of the Practical: Program to design a form and submit it.

Q1: What does the forms do?
A1: Forms collect data from the user and post it back to the server for processing.

Q2: How are all forms created?
A2: All HTML forms are created using the form element:

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<form method="xxxx" action="xxxx">
(form fields in here)
</form>
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Q3: What is the use of Request.QueryString
A3:The Request.QueryString command is used to collect values in a form with method="get".

Q4: Which is the default Scripting Language of ASP (server-side)?
A4:VBScript

Q5: What are the methods in Session Object?
A5:The Session Object has only one method, which is Abandon. It destroys all the objects stored in a Session Object and releases the server resources they occupied.

Q6: What is the difference between Querystring collection and Form collection?
A6: The main difference is that the Querystring collection gets appended to a URL.

Q7: What is a Form collection?
A7: The Form collection holds the values of the form elements submitted with the POST method. This is the only way to generate a Form collection.

Q8: What is the difference between client-side script and server-side script?
A8:Scripts executed only by the browser without contacting the server is called client-side script. It is browser dependent. The scripting code is visible to the user and hence not secure. Scripts executed by the web server and processed by the server is called server-side script.

Q9: Explain the POST & GET Method or Explain the difference between them?
A9: POST METHOD:
The POST method generates a FORM collection, which is sent as a HTTP request body. All the values typed in the form will be stored in the FORM collection.
GET METHOD:
The GET method sends information by appending it to the URL (with a question mark) and stored as A Querystring collection. The Querystring collection is passed to the server as name/value pair.
The length of the URL should be less than 255 characters.

Q10: What is Session Object?
A10: It stores information about a User's session. Gives a notification when a user session begins or ends.

Title of the Practical: Program of Information collection using request object

Q1: What is Request Object?
A1:Gets information from the user. It has five collections by which values can be accessed. They are: Query string, Form, Cookies, Server Variables & Client Certificate

Q2: How can you disable the browser to view the code?
A2: Writing codes within the Tag

Q3: What is a "Virtual Directory"?
A3: Virtual directories are aliases for directory paths on the server. It allows moving files on the disk between different folders, drives or even servers without changing the structure of web pages. It avoids typing an extremely long URL each time to access an ASP page.

Q4:Give the comment Tags for the following?
A4: VBScript : REM & '(apostrophe)
JavaScript : // (single line comment)
/* */ (Multi-line comments)

Q5:Which is the default Scripting Language of ASP (server-side)?
A5:VBScript

Q6:Which is the default Data types in VBScript?
A6 :Variant is the default data type in VBScript, which can store a value of any type.

Q7: What is a variable?
A7: Variable is a memory location through which the actual values are stored/retrieved. Its value can be changed.

Q8: What is the maximum size of an array?
A8: Up to 60 dimensions.

Q9:What is Querystring collection?
A9:This collection stores any values that are provided in the URL. This can be generated by three methods:
By clicking on an anchor tag
By sending a form to the server by the GET method
Through user-typed HTTP address
It allows you to extract data sent to the server using a GET request.

Q10: What are the attributes of the tags? What are their functions?
A10: The two attributes are ACTION and METHOD
The ACTION gives the name of the ASP file that should be opened next by which this file can access the information given in the form The METHOD determines which of the two ways (POST or GET) the browser can send the information to the server

Title of the Practical: Program of Reading and writing cookies.

Q1:What is Cookies collection?
A1: Cookies are text files that store information about the user by which the web server identifies and marks each different visitor to a web site and determines where a user has been before. A cookie can store information only when the user sends it. Individual cookies are limited to 4KB of data. The maximum number of cookies allowed is 300.
Cookies are stored on client's machine.

Q2:What is the difference between Cookies collection and Form/Querystring collection?
A2:Cookie collection does not have the Count property. Cookies can have multiple values for the same cookie name but each value can be referred using a key whereas in a Form/Querystring cookie each value has to be referred using an index value.

Q3:What is Server Object?
A3: Controls the ASP environment. It can set the amount of time script can run before an error occurs. Converts a virtual path to a physical path on the server. Takes a user supplied string and encode it into proper format for a URL string.

Q4: What is Collection?
A4: Collection is a set of name/value pairs where the information supplied by the client is stored.

Q5:How will you delete a Cookie?
A5: By setting its Expires property to any date prior to today Response.Cookies("cookie name"). Expires = Date 1.

Q6: What is the function of Buffer in Response Object?
A6:Buffer controls the HTML output stream manually.

Q7: How are scripts executed?
A7: ASP provides scripting engines that execute the corresponding scripting languages on the server side. Scripts should be encoded within the Delimiters.

Q8:What are the methods in Session Object?
A8:The Session Object has only one method, which is Abandon. It destroys all the objects stored in a Session Object and releases the server resources they occupied.

Q9:What is ServerVariables collection?
A9: The ServerVariables collection holds the entire HTTP headers and also additional items of information about the server.What is the difference between Querystring collection and Form collection?
The main difference is that the Querystring collection gets appended to a URL.

Q10: What is Application-scope?
A10: Application-scope means that variables (and objects) can be accessed from any ASP pages that is part of the application.

Title of the Practical: Program based on Browser name and version &File handling

Q1: What are the properties of Session Object?
A1:SessionID returns the session identification number for each user.
Timeout sets the timeout period assigned to the Session object for any application, in minutes.
CodePage determines the code page that will be used to display content.
LCID a locale identifier, which determines time zone and language, rules for the system

Q2: What are the event handlers of Session Object?
A2:Session _OnStart This event will be fired when a new user begins a session with the web site.
Session_OnEnd This event is called whenever a session terminates.

Q3:Name the ASP Objects?
A3: Request Object
Response Object
Server Object
Session Object
Application Object

Q4: What are the advantages of using ASP?
A4: Minimizes network traffic by limiting the need for the browser and server to talk to each other
Makes for quicker loading time since HTML pages are only downloaded
Allows to run programs in languages that are not supported by the browser
Can provide the client with data that does not reside on the client's machine
Provides improved security measures since the script cannot be viewed by the browser

Q5: What are the methods in Application Object?
A5:Lock prevents clients from modifying the variables stored in the Application object.
Unlock removes the lock from variables stored in the Application object.

Q6: What are the methods in Application Object?
A6:Internet Information Server (IIS) on Windows NT
Personal Web Server (PWS) on Windows 95
Peer Web Services on Windows NT

Q7: What are the browsers that can access ASP pages?
Q7: Internet Explorer (supports VBScript, JavaScript)
Netscape Communicator/ Navigator (supports only JavaScript, VBScript can be also added too)

Q8:What are the methods by which output stream is controlled?
Q8:Flush sends previous buffered output to the client immediately, but continues processing the script.
Clear erases any already-buffered HTML.
End causes the server to stop processing the script.

Q9:What are the methods by which output stream is controlled?
A9: What are the properties used to control the expiration of the page?
Expires specifies the number of minutes before a page cached on a browser expires.
ExpiresAbsolute sets the date and time at which a page cached on a browser expires.

Q10:What are the collections of Application Object?
A10: Contents collection - contains all variables added via scripts in global.asa.
 Static collection - contains the names of all objects

Title of the Practical: Program to Read data from database & process it Update the database & Deleting the data

Q1: What is a connection object?
A1: The Connectionobject is what ADO uses to store our information about data store connection.A Connection object represents a unique session with a data store and we can have different connection to different datastores at the same time.

Q2: Explain recordset.
A2: Each information in a database is a record and recordset is a collection of records.In ASP Recordset objects is used to manipulate the records.All Recordset objects consist of records (rows) and fields (columns).

Q3: What is the syntax for creating arecordset?
A3: <%Set objRec=Server.CreateObject("ADODB.Recordset")%>

Q4: What is a field?
A4: We know that each individual piece of information in a record is called field and field object corresponds to a column in the Recordset.Field collection Contains all the Field objects of a Recordset or Record object.ie Fields collection contains an entry for each field in the current record.

Q5: What is the function of field method delete ?
A5: Delete objFields.Delete (Field) deletes an object from the Fields collection.The field parameter can be the name of the Field object or the ordinal position of the Field object itself.

Q6: What is the syntax for Append, delete and update records?
A6: Append:- objFields.Append (Name, Type, Size, Attrib, Value)
    Delete:- objFields.Delete (Field)
    Update:- objRecord.Fields.Update

Q7: Write some ASP record methods.
A7: Open, close, addnew, update, delete,etc.

Q8: What is Asp command object created?
A8: The Asp Command object is used for executing process against Data store.These can be Commands that is used to query a database and return records in a Recordset object, to execute a bulk operation, or to manipulate the structure of a database.

Q9: What is ADO stands for?
A9: ADO is a Microsoft technology, and stands for ActiveX Data Objects.

Q10: What is SQl?
A10: SQL is a standard computer language for accessing and manipulating database systems.