

T.Y.B.C.A. (SEM-V)

(US05CBCA01) VB.NET

Question Bank

Unit-I

MULTIPLE CHOICE QUESTIONS	
1	This system provides the type architecture of the framework and guarantees type safety.
	a) CTS
	b) CST
	c) Type
	d) Type safe
2	The specification that all .NET language adopters and compiler-makers employ so that their languages integrate seamlessly into the .NET Framework.
	a) Common Language
	b) CLS
	c) Compiler Language
	d) None of Above
3	Full Form of CLS.
	a) Common Language System
	b) Computer LAN System
	c) Common Language Specification
	d) Computer LAN Software
4	MSIL Means
	a) Microsoft Intermediate Language
	b) M Small Internet Language
	c) Microsoft Individual Language
	d) Note of Above
5	The JIT is one type of _____.
	a) Hardware
	b) Time
	c) Measurement Unit
	d) Compiler
6	The Visual Basic projects you can create
	a) Circuit
	b) Windows Application
	c) None of Above
	d) Both (a) and (b)
7	The Toolbox contains the components and controls that can be added to Windows Forms applications and Web Forms applications.
	a) True
	b) False
8	_____ statement is used to declare variable in vb.net.
	a) Var
	b) INT
	c) Dim
	d) All of Above
9	What is CLR?
	a) Clean Run
	b) Common Language Runtime
	c) Common Object Language Runtime
	d) Class Language Runtime
10	What is Namespace?
	a) Collection of Files
	b) Package
	c) Framework
	d) Collection of Methods
11	What is MSIL?
	a) Compiler
	b) Interpreter
	c) Technology
	d) Assembly
12	Window in a windows forms application are called
	a) Window
	b) Form
	c) Splash Screen
	d) SDI and MDI
13	VB.Net is Called as _____ Programming Language
	a) Assembly
	b) Procedural
	c) OOP
	d) Functional

14	VB.Net code resides in which file	
	a) .vb	b) .js
	c) .designer.vb	d) .vsdisco
15	Toolbox in Visual Studio Consist of	
	a) Code	b) List of Forms
	c) List of Servers	d) List of Controls
16	Which Window Provides the List of the various objects in VB	
	a) Solution Explorer	b) Class View Window
	c) Server Explorer	d) Properties Window
17	Dim is a Abbreviation of	
	a) Dimension	b) <u>dimer</u>
	c) <u>dimerization</u>	d) <u>dimeters</u>
18	A Procedure that does not return a Value is called as	
	a) Sub Procedure	b) Method
	c) Constructor	d) Function
19	Imports Statement use to Import	
	a) A Class	b) A Namespace
	c) A Method	d) A Function
20	Dynamic Arrays can Redimensioned using _____ Keyword	
	a) Dim	b) Redim
	c) ReDim	d) Const

Short Questions:--	
1	What is CLS?
2	Explain CLR?
3	Write a short note on MSIL?
4	Write a Short Note on JIT Compiler
5	List the types of project
6	List the parts of IDE
7	List the Data type supported by VB.NET
8	List any five operators?
9	Define Boxing.
10	Define Unboxing.
11	Write a short note on array
12	What is JIT?
13	What is a variable?
14	What is a Constant?
Long Questions:--	
1	Explain .NET Architecture.
2	Write a note on Class Library

3	Write a short note on Tool box	
4	Write a short note on Solution Explorer	
5	Write a short note on IDE.	
6	Write a short note on Boxing and Unboxing	
7	Write a note on Class Library	
8	Write a note on CLS?	
09	Write a note on CTS?	
10	Write a note on MSIL?	
11	State the Datatype of VB.Net and Explain?	
12	Compare and Contrast Variable and Constant?	
13	What is VB.Net and Explain its Features?	
14	Write a note on any five string functions.	
15	What is variable? Explain how variables are declared in VB.NET	
16	What is an Array? Explain array declaration in VB.NET with example	

	b) Once for each Case. d) It depends on the value of the test expression.	
14	To create procedure _____ keyword is used. a) Sub c) Procedure b) Function d) None of these	
15	By default the arguments are passes to procedure as _____ a) ByRef c) ByVal b) ByDefault d) None of these	
16	In procedure when arguments are passed _____ then procedure can't replace or reassign the underlying variables in calling code. a) ByRef c) ByVal b) ByDefault d) None of these	
17	In procedure when arguments are passed _____ then procedure can modify the underlying variables in calling code. a) ByRef c) ByVal b) ByDefault d) None of these	
18	User can also use _____ statement to call procedure. a) Recall c) Procedure b) Call d) None of these	
19	_____ is used for single condition checking 1) If..Else..End if 2) IF...Elseif...Else...End if 3) Select Case 4) Do..While	
20	_____ will repeat the loop untill condition is FALSE 1) Next 2) Until 3) While 4) Case	
21	_____ repeat until condition is TRUE 1) Next 2) Until 3) While 4) Case	
22	Entry point checking loop is checks the condition after once the statements are executed 1) True 2) False	
23	_____ is basic placeholder for all the objects of your application / program 1) File 2) Project 3) Button 4) Form	
24	The property that can be changed at design time but can't change at runtime is known as _____ 1) Read-only Property 2) Roming Property 3) Unchange Property 4) Change Property	
25	_____ is used when all condition becomes false in select...Case statement 1) End Select 2) Case Else 3) Else Case 4) Select End	
26	_____ is at the highest position in namespaces hierarchy 1) System 2) System.Drawing 3) System.Collection 4) System.Data	
27	_____ is the location where we can put our common code for the application 1) Form 2) Button 3) Module 4) Model	
28	_____ is used to display some kind of data to user during execution of program/appli. 1) InputBox 2) MessageBox.Show	

	3) DataBox.Show	4) Multibox.Show	
29	_____ is used for accepting some type of value/data from user at run time		
	1) Inputbox	2) Insertbox	
	3) Valuebox	4) ValidBox	
30	When we sending/passing some value during function call that is known as		
	1) Argument	2) Parsing	
	3) Parameter Passing	4) Value Passing	
31	_____ specifies the interior spacing of the control		
	1) Padding	2) Shifting	
	3) Width	4) Height	
32	By default size property in vb.net control is _____		
	1) Inches	2) Centimeters	
	3) Twips	4) Pixels	
33	_____ is default event for form		
	1) Click	2) DbClick	
	3) Load	4) Move	
34	_____ property will resize the control as per the contents reference within		
	1) Resize	2) Autosize	
	3) Width	4) Height	
35	_____ specify the transparency of the form		
	1) Transperency	2) FormTransperency	
	3) FormOpacity	4) Opacity	
36	_____ is used to coordinates the upper left corner relative to the container		
	1) Y and Z	2) X and Y	
	3) A and B	4) X and Z	
	Short Questions (Each of 2 marks)		
1	Write down the syntax of following structure:		
	1) If...End If	2) Select ... End Select	3) Do...Loop
	4) For...Next	5) While...Wend	6) With...End With
2	Differentiate between : MessageBox – Inputbox		
3	Write a difference between Procedure and Function.		
4	Write a difference between MDI and SDI.		
5	What is procedure? How it is created in VB .NET?		
6	How functions are declared in VB .NET?		
7	What is the use of 'By Val' & 'By Ref' keyword?		
8	Define Property, method and event.		
9	List any five properties supported by Windows Form and explain any one of them.		
10	Explain Show method of Windows Form.		
11	List any five events supported by Windows Form and explain any one of them.		
12	What is MDI form? Which property is used to make form as a MDI parent form?		
	Long Questions:		
1	What is procedure? How the procedures are declared? Explain the ways of passing		[6-8]

	arguments with example. What is the use of 'By Val' & 'By Ref' keyword? OR Explain the ways of passing arguments with example. What is the use of 'By Val' & 'By Ref' keyword?	[5]
	OR Explain subroutine in details with examples.	[7]
2	Explain declaration of function in detail with example.	[5]
3	Explain the following structure with example. (Each of 3 - 4 Marks) 1) If...End If 2) Select ... End Select 3) Do...Loop 4) For...Next 5) While...Wend 6) With...End With	
4	Explain Message box with example.	[4-5]
5	Explain Input box with example.	[4-5]
6	Explain Form life cycle in detail.	[5]
7	What is MDI? What is SDI? Write down the features of MDI. Also write down the difference between MDI & SDI. OR What is MDI form? Explain how it differs from normal form in details? Which property has to be set to make a form of the MDI parent form?	[4-6] [4-5]
8	Explain Modules in detail.	[4-5]

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3	Which property determines whether a control is displayed to the user? a.) Hide b.) Show c.) Visible d.) Enabled	c
4	The Tick event is found only in which object? a.) Form b.) Button c.) TextBox d.) Timer	d
5	The Activated event is found only in which object? a.) Form b.) Button c.) TextBox d.) Label	a
6	Setting the SelectedIndex property of a ListBox to -1 will: a.) cause an error. b.) cannot be done. c.) No selection of any item. d.) Both a and b.	c
7	Which method of a ListBox will remove just one item at a time at specified index? a.) Items.RemoveAt b.) Item.RemoveAt c.) Items.ClearAt d.) Item.ClearAt	a
8	Which two controls combined to form the ComboBox control? a.) ListBox and TextBox b.) ListBox and InputBox c.) ListBox and MsgBox d.) Label and TextBox	a
10	A CheckBox can also appear as a(n): a.) button. b.) RadioButton. c.) ScrollBar. d.)All of the above.	a
11	How many RadioButtons in a Group Box can be selected at the same time? a.) 0 b.) 1 c.) 2 d.) 3	b
12	Which event is activated when a RadioButton is selected? a.) Checked	b

	<ul style="list-style-type: none"> b.) CheckedChanged c.) Selected d.) SelectedChanged 	
13	<p>Which menu object property places a check mark in the display of the menu text?</p> <ul style="list-style-type: none"> a.) Check b.) Checked c.) CheckMark d.) CheckOn 	b
14	<p>Which symbol creates an access key in the text of a menu item?</p> <ul style="list-style-type: none"> a.) @ b.) # c.) \$ d.) & 	d
15	<p>Which method is used to savefile in RichTextBox</p> <ul style="list-style-type: none"> a) LoadFile b) SaveFile c) SaveAll d) None 	b
16	<p>What is the method used to activate the color dialog box?</p> <ul style="list-style-type: none"> a.) ActivateDialog b.) DisplayDialog c.) ExhibitDialog d.) ShowDialog 	d
17	<p>The Items property of a ComboBox:</p> <ul style="list-style-type: none"> a.) is a collection of items. b.) is the same as the Items property of a ListBox. c.) contains methods and properties. d.) All of the above. 	
18	<p>_____ returns the full path of a selected node in a treeview</p> <ul style="list-style-type: none"> a) Fullpath b) Rootpath c) Fulllocation d) none 	a
19	<p>What is the name of the control for putting menus on a form?</p> <ul style="list-style-type: none"> a.) FormMenu b.) MenuForm c.) MenuControl d.) MenuStrip 	d
20	<p>Which is not a standard dialog box?</p> <ul style="list-style-type: none"> a.) ColorDialog b.) FontDialog c.) OpenFileDialog 	d

	d) ZoomDialog	
21	Which control display hierarchy of nodes . a) label b) Timer c) Scrollbars d) Treeview	d
22	Which control support hyperlinks e) label f) Timer g) Scrollbars h) Linklabel	d
23	Which property can not be used with multiline property of textbox a) Name b) Passwordchar c) Font d) Margin	b
24	Which property of treeview provides hyperlink effect when the mouse is moved over the nodes. a) ShowPlusMinus b) ShowRootlines c) HotTracking d) Fullpath	c
25	_____statement enables exception handling . a) Option explicit b) Option strict c) On Error Goto d) none	c
	Short Questions	2 Marks
1	Differentiate between radio button and checkbox.	
2	Differentiate between label and linklabel.	
3	Differentiate between listbox and combobox.	
4	Differentiate between listbox and chekedlistbox.	
5	Explain use of picturebox.	
6	Explain use of Timer.	
8	Write a syntax of Try.....catch statement.	
9	What do you mean by debugging?	
10	Explain the function of Step into and Step Over.	
12	How to add and delete a node in a treeview?	
13	Explain any four properties of RithTextBox.	
14	Explain any four properties of DateTimePicker.	
15	Differentiate between Add Watch and Quick watch	

16	What is the use of Groupbox?	
17	Explain the use of Menu.	
	Long Questions	More than 3 Marks
1	Explain Listbox,combobox and Checkedlistbox.	
2	Write a note on HScorllBar and VScrollBar.	
3	Write down the steps to add menu on the form and explain at least five properties of it.	
4	Explain different types of error handling .Explain any one in detail.	
5	Explain try.... Catch ... final in detail with example.	
6	Explain following controls with its properties, methods and events <ul style="list-style-type: none"> a) Treeview b) RichTextBox c) ColorDialogBox d) FontDialogbox e) Button f) Label g) Textbox h) Radio Button i) Checkbox j) Combobox k) Listbox l) Timer m) PictureBox & Groupbox n) HSCrollbar & VScrollbar o) CheckedListBox p) DateTimePicker q) LinkLabel 	

Unit 4**Multiple Choice Questions.**

1. _____ is disconnected, in-memory representation of data.
 - a) DataReader
 - b) **DataSet**
 - c) DataAdapter
 - d) DataCommand

2. What is the major component of connected data architecture?
 - a) **DataReader**
 - b) DataSet
 - c) DataAdapter
 - d) DataCommand

3. _____ method is used to populate DataSet.
 - a) Populate
 - b) **Fill**
 - c) Open
 - d) Store

4. _____ method returns result set by way of DataReader object.
 - a) ExecuteDataReader
 - b) ExecuteScalar
 - c) ExecuteNonQuery
 - d) **ExecuteReader**

5. For insert, update, and delete SQL commands, _____ method is used.
 - a) ExecuteDataReader
 - b) ExecuteScalar
 - c) **ExecuteNonQuery**
 - d) ExecuteReader

6. To check whether connection is open or not, _____ property is used.
 - a) ConnectionStatus
 - b) **State**
 - c) ConnectionState
 - d) Status

7. To use DataSet _____ namespace needs to be included.
- System.Data.SqlClient
 - System.Sql
 - System.OleDb
 - System.Data**
8. _____ object provide connection to the database.
- Command
 - Connection**
 - DataReader
 - DataAdapter
9. In a connection string, _____ represents name of the database.
- DataSource
 - Initial Database
 - Initial Catalog**
 - Catalog Database
13. If we are not returning any records from the database which method is used
- ExecuteReader ()
 - ExecuteScalar ()
 - ExecuteXmlReader()
 - ExecuteNonQuery()**
1. Which namespace defines the interfaces implemented by a .NET Data Provider?
- System.Data.**
 - System.Data.OleDb and System.Data.SqlClient.
 - System.Data.SqlTypes.
 - System.Data.Provider.
2. What are the two Data Providers provided with the .NET Framework?
- OleDb Data Provider and XML Data Provider.
 - SQL Server Data Provider and XML Data Provider.
 - OleDb Data Provider and SQL Server Data Provider.**
 - SQL Server Data Provider and Oracle Data Provider.
3. DataSet changes are saved to the database using the:
- Save method.
 - Update method.**
 - Fill method.
 - None of the above.
4. DataSets are loaded from the database using the:
- Load method.
 - Read method.
 - Fill method.**

d. None of the above.

5. Sorting supports:

- a. **Ascending order.**
- b. Descending order.
- c. Ascending and descending order.
- d. None of the above.

6. SQL SELECT statements are sent to a database using:

- a. SqlConnection and its ExecuteReader method.
- b. SqlCommand object and its ExecuteNonQuery method.
- c. **SqlCommand object and its ExecuteReader method.**
- d. SqlParameter object and its Execute method.

7. SQL INSERT statements are sent to a database using:

- a. SqlConnection and its ExecuteReader method.
- b. **SqlCommand object and its ExecuteNonQuery method.**
- c. SqlCommand object and its ExecuteReader method.
- d. SqlParameter object and its Execute method.

8. SQL UPDATE statements are sent to a database using:

- a. SqlConnection and its ExecuteReader method.
- b. **SqlCommand object and its ExecuteNonQuery method.**
- c. SqlCommand object and its ExecuteReader method.
- d. SqlParameter object and its Execute method.

9. SQL DELETE statements are sent to a database using:

- a. SqlConnection and its ExecuteReader method.
- b. **SqlCommand object and its ExecuteNonQuery method.**
- c. SqlCommand object and its ExecuteReader method.
- d. SqlParameter object and its Execute method.

10. Stored procedures are invoked using:

- a. SqlConnection and its ExecuteReader method.
- b. SqlCommand object and its ExecuteNonQuery method.
- c. **SqlCommand object and its ExecuteReader method.**
- d. SqlParameter object and its Execute method.

11. Retrieving a single value from a returned row involves using:

- a. SqlConnection and its ExecuteReader method.
- b. SqlCommand object and its ExecuteNonQuery method.
- c. **SqlCommand object and its ExecuteScalar method.**
- d. SqlParameter object and its Execute method.

Short Questions

1. What are the features of ADO.Net?

2. What are the applications of ADO .net?
3. Explain the use of server explorer in data access in .net.
4. Mention the namespace that is used to include .NET Data Provider for SQL server in .NET code.
5. Mention different types of data providers available in ADO .NET Framework.
6. Which namespaces are required to enable the use of databases in ADO .net?
7. What is the use of the Connection object?
8. What are the usages of the Command object in ADO.NET?
9. What is difference between DataSet and DataReader?
10. What is Dataset object?
11. What is connection string? Explain in brief.
12. Which properties are used to bind a DataGridView control?
 1. Explain DataGrid control.
 2. Explain any one of following namespaces
 - a. System.Data
 - b. System.Data.SqlClient
 - c. System.Data.OleDb
 - d. System.Data.SqlTypes
 3. Explain any one of following *.NET Data Provider Main Classes*
 - a. *Connection*
 - b. *Command*
 - c. *DataReader*
 - d. *DataAdapter*

Long Questions.

1. Explain the connected architecture of ADO.NET in brief.
2. Describe the disconnected architecture of ADO.NET's data access model.
3. Explain major ADO .net objects.
4. Explain the steps to bind the application with the Database in ADO .net.
5. Explain the step, how can we retrieve data in DataSet?
6. Explain public methods of SqlCommand objects.

7. What are the four common SQL commands used to retrieve and modify data in a SQL Database? Also explain each of them.
8. Explain use of “ExecuteScaler” , “ExecuteNonQuery” and “ExecuteReader” method in detail.
9. Explain possible values in the DataRowState.