

Government Science College, Valod
Second Year B.Sc. (Computer Science) Semester-3
Subject: Visual Basic .NET

Assignment

Unit-1 .NET Framework		
	Short Questions	
1.	What is Just-in Time Compilation ?	
2.	What is garbage collection ?	
3.	What is MSIL?	
4.	Define MSIL.	
	Long Questions	
1.	Explain Compilation and Execution process of .Net framework.	6
2.	Explain CLR of .Net framework.	6
	Unit-2 Visual Basic Language	
	Short Questions	
1.	State the difference between shared variable and Instance variable.	
2.	State use of Cdbl () in Vb.Net.	
3.	List various types of conversion functions of VB.net.	
4.	Explain Option Explicit statement of VB.net.	
5.	What is dynamic array?	
6.	Define Namespace.	
7.	Discuss pass by value and pass by reference parameters giving an example.	2
8.	Give syntax and example for the user defined properties.	
	Long Questions	
1.	Explain with..end with loop giving an example.	4
2.	Explain console application in VB.Net.	2
3.	Explain For..Next loop giving example.	4

4.	What is pass by value and pass by reference in procedure calling ?	
Unit-3 Designing interface		
	Short Questions	
1.	Explain the difference between validating event and LostFocus event of a Textbox control in VB.net.	
2.	Explain InputBox function in VB.Net giving example.	
3.	Differentiate check box vs radio button.	
4.	List properties of button control.	
	Long Questions	
1.	Discuss ListBox control and ComboBox control.	4
2.	Compare TextBox control and RichTextBox Control.	2
3.	Discuss important methods, properties and events of an object.	2
4.	Explain any two mouse based events of VB.Net.	2
5.	Write a code to create button at runtime. How to handle event of that button ?	4
6.	Discuss use of activate and deactivate event of form object.	2
7.	Explain SaveFile Dialog and ColorDialog with example.	4
8.	Explain RadioButton control.	2
9.	Explain Listview Control to VB.Net with its properties, methods and events.	6
10.	Explain SDI and MDI applications in brief. Explain how to make an application MDI in Vb.Net?	6
11.	Write detail note on MDI form.	
12.	Discuss FontDialog control of VB.Net.	6
13.	Explain FileDialog control of VB.Net.	6
14.	Explain how to add, select, display and remove items of a ComboBox control.	4
15.	Explain InputBox with example.	4
16.	Explain use of msgbox.	2

17.	Write detail note on scrollbar.	
18.	Explain treeview control along with its properties, events and methods.	
19.	Write detail note from following controls (any two) 1. TEXT BOX 2. TIMER 3. LISTBOX.	
20.	Explain font dialog box and save dialog box in brief.	
21.	Explain msgbox in detail	
Unit-4 Object Oriented Programming		
	Short Questions	
1.	What is base class in VB.net ? Which are its members ?	
2.	Explain how a class in Vb.Net differs from a module ?	
3.	What is module ? Why it is used.	
4.	Define procedure overloading.	
	Long Questions	
1.	Explain use of constructor and destructor in .Net.	4
2.	Explain procedure overloading in Vb.Net.	2
3.	Explain constructor and destructor in vb.net	
Unit-5 ADO.NET		
	Long Questions	
1.	How to display all records using ListView control ?	4
2.	Discuss data adapter object.	6
3.	Explain Datagrid control giving example.	4
4.	Explain ADO.Net objects.	6
5.	What is called data aware control? Explain simple and complete data binding	4
6.	How to display all records using ListView control ?	2
7.	What is a dataset? Explain how to create a dataset with an example.	2

8.	Explain ADO.Net Connection and Command Objects in detail.	6
9.	Explain data set in detail.	
10.	Explain Data binding. Write a code to bind data with data grid view control.	
11.	Explain ADO.NET in detail.	
Unit-6 Exception Handling		
	Short Questions	
1.	What is debugging?	
	Long Questions	
1.	What is exception ? Explain how exceptions are handled in VB.Net.	6
2.	Differentiate "Exceptions" and "Errors". Explain which one is better in exception handling in Vb.Net.	6
3.	What is exception? Describe structure exception handling in vb.net in detail.	