

MASTER OF COMPUTER APPLICATION
Fifth Semester (Repeat)
VB.NET
(MCA - 23)

Duration: 3Hrs.

Full Marks: 70

Part-A (Objective) =20
Part-B (Descriptive) =50

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

Answer any four from Question no. 2 to 8
Question no. 1 is compulsory.

1. Write a program for windows form application to save, delete, update and search record of a student using sqlclient connection. (10)
2. Explain .net framework features and architecture. Explain the types of project available in .Net. (5+5=10)
3. What are the different types of control loops available in vb.net explain with syntax. What are function and procedure? Explain structured and unstructured exception handling with example. (2+3+5=10)
4. What is a constructor? Write a java program to implement constructor and its use. What is inheritance and how does it help us create new classes quickly?(2+3+5=10)
5. What is timer control? Explain the use of timer control with a suitable example. Explain the features that simplify the deployment of a .net application. (2+3+5=10)
6. What is Menu in vb.net? How to create menu and menu items in vb.net? Explain the terms: OLE, COM+ and .NET (4+6=10)
7. Explain vb.net control of label, button, combo box and checked box. Explain File dialog, save dialog and Color dialog in vb.net. How do you give validation for number and character in textbox control? (4+4+2=10)

8. What is ADO? Explain the importance of ADO. Explain few ADO.Net objects.
Explain packaging and distributing of .NET framework application. (4+2+4=10)

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Duration: 20 minutes

Marks – 20

(PART A - Objective Type)

I. Tick (✓) the correct answer:

1×20=20

1. The CancelButton property belongs to which object?
[A] Button [B] Form
[C] Label [D] Text Box
2. The _____ enable us to pass data between a program and a class.
[A] Function [B] Properties
[C] Procedures [D] Variables
3. Whenever an application is created, a _____ is added.
[A] Form [B] Class
[C] Property [D] Object
4. Which of the following is not a common control event?
[A] SingleClick [B] DoubleClick
[C] MouseMove [D] MouseDown
5. Activated event is found only in which object?
[A] Button [B] Label
[C] Text Box [D] None of the above
6. Which of the following is not an integer data type?
[A] Single [B] Byte
[C] Short [D] Long
7. Which of the following property determines whether a control is displayed to the user?
[A] Show [B] Visible
[C] Enable [D] All of the Above
8. In the For.....Next loop the default value for the step is _____
[A] -1 [B] 0 [C] 1 [D] 2
9. Which selection process is an example of multiple branches from a single expression?
[A] Select.....Case [B] If.....then
[C] Do.....Loop [D] For....Next

10. Which of the following event is activated when a RadioButton is selected?
[A] Checked [B] CheckedChanged
[C] Selected [D] SelectedChanged
11. Which of the following database is the ADO.NET sql connection object design for?
[A] Access [B] MySql
[C] SQL Server [D] All of the Above
12. Which of the following does the actual .Net code executes?
[A] CSL [B] MSIL [C] CTS [D] CLR
13. The _____ group classes according to their common services.
[A] Objects [B] Namespaces
[C] Programs [D] Inheritance
14. Visual Studio .NET provides features like debugging, Application development and Syntax Checking.
[A] True [B] False
15. What does IDE stands for?
[A] Integrated Design Environment [B] Interior Design Environment
[C] Interior Development Environment [D] Integrated Development Environment
16. The tick event is found only in which object?
[A] Form [B] Button [C] Timer [D] Text Box
17. Which of the following two controls combines to form the ComboBox control?
[A] ListBox and InputBox [B] ListBox and TextBox
[C] ListBox and Label [D] Both [A] and [B]
18. Setting the SelectedIndex property of a ListBox to -1 will:
[A] Cause an error [B] Can't be done
[C] De-select any selected item [D] Both [A] and [C]
19. Which method of a ListBox will remove just one item at a time?
[A] Item.ClearAt [B] Items.ClearAt
[C] Item.RemoveAt [D] Items.RemoveAt
20. Which is an example of Visual Basic Object?
[A] Control Objects [B] ASP.Net
[C] ADO.Net [D] All of the Above
