Model paper "Programming Fundamentals,
Flow Charts & Programming with VB .Net"
For DIT Semester-I
Annual Examinations 2013 & Onward
Objective
Part - I

Roll No:_____

Time : 30 minutes   Marks: 20

Note: This part is compulsory. It should be attempted on the question paper and returned to the supervisory staff after the prescribed time. Cutting overwriting and use of led pencil is not allowed. Supervisory staff is required to attach it with the answer book.

Q.1 Choose the correct answer and encircle it.   1 x 20 = 20

1.   Which language is not a true object-oriented programming language?
     a.) VB.NET
     b.) VB 6
     c.) C++
     d.) C#

2.   A GUI:
     a.) uses buttons, menus, and icons.
     b.) should be easy for a user to manipulate.
     c.) stands for Graphic Use Interaction.
     d.) Both a and b.

3.   Visual Studio .NET provides which feature:
     a.) debugging.
     b.) application deployment.
     c.) syntax checking.
     d.) Both a and b.

4.   Which statements are optional in an If…Then statement?
     a.) If
     b.) Then
     c.) Else
     d.) Both a and b.

5.   Which selection process is an example of multiple branches from a single expression?
     a.) If…Then
     b.) Select Case
     c.) Do…Loop
     d.) For…Next

6.   Which is true about the name and text property of a control?
     a.) They are the same when the control is first created.
     b.) The text property changes to match any changes in the name property.
     c.) The name property changes to match any changes in the text property.
     d.) They are never the same unless the programmer makes it that way.

7.   Which are the standard prefixes for the text box and label controls respectively?
     a.) tex and lbl
     b.) tex and lab
     c.) txb and lbl
     d.) txb and lab

8.   An object is composed of:
     a.) properties.
     b.) methods.
     c.) events.
     d.) Both a and b.

9. Which is an example of Visual Basic Objects?
   a.) Control objects
   b.) ASP.NET
   c.) ADO.NET
   d.) Both a and b.

10. Which is not a common control event?
   a.) Click
   b.) SingleClick
   c.) DoubleClick
   d.) MouseMove

11. Which is not a feature of a GUI that makes learning a program easy for users?
   a.) Online help
   b.) WYSIWYG formatting
   c.) Dialog boxes
   d.) Detailed key strokes and commands

12. Which statement about objects is true?
   a.) One object is used to create one class.
   b.) One class is used to create one object.
   c.) One object can create many classes.
   d.) One class can create many objects.

13. Which is not a property of the Common control class?
   a.) Show
   b.) BackColor
   c.) Font
   d.) ForeColor

14. Which is not a common control event?
   a.) Click
   b.) SingleClick
   c.) DoubleClick
   d.) MouseMove

15. Which phase of project development typically costs the most?
   a.) Analysis
   b.) Design
   c.) Implementation
   d.) Maintenance

16. VB.Net identifiers:
   a.) are case sensitive.
   b.) can begin with an underscore.
   c.) can begin with a number.
   d.) Both a and b.

17. With A = False and B = True, which statement evaluates as False?
   a.) A OR A
   b.) A OR B
   c.) B OR A
   d.) B OR B

18. What will the function Val ($165.30) return?
   a.) 0
   b.) 165
   c.) 165.30
   d.) $165.30

19. The Items property of a ComboBox:
   a.) is a collection of items.
   b.) is the same as the Items property of a ListBox.
   c.) contains methods and properties.
   d.) Both a and b.

20. An Exception is another name for a:
   a.) compile error.
   b.) logic error.
   c.) runtime error.
   d.) superficial error.

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For DIT Semester-I
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Subjective (Part – B)

Time : 2:30 Hours   Marks: 80

Section -I

Q. 1   Attempt any Twenty Five (25) Questions.   2x25=50

1. What is VB.NET?
2. What is Difference between Namespace and Assembly?
3. What is variable?
4. What is an object program?
5. Write the difference between property and method
6. Write the values of sizemode property of picture box control.
7. What is the difference between local and global variable?
8. What is data type?
9. What is conditional statement?
10. Briefly explain For …Next loop.
11. What are the difference between Structure and Class?
12. What is the use of Internal keyword?
13. What are class access modifiers?
14. What is tracing?
15. What is a Constructor?
16. What is Polymorphism?
17. What is the top .NET class that everything is derived from?
18. What is an ArrayList?
19. What is Reference type and value type?
20. What are the two main parts of the .NET Framework?
21. What is the difference between Compiler and Interpreter?
22. What is a class?
23. What is the difference between datagrid and gridview?
24. What is the use of ErrorProvider Control?
25. What is the difference between Custom Control and User Control?
26. What is the difference between Convert.toString and .toString() method?
27. What is a DataTable?
28. What is a DataSet?
29. What is difference between constants, readonly and, static?
30. What are the advantages of VB.NET?
31. What is the maximum size of the textbox?
32. Which namespaces are used for data access?
33. What is the difference between array and array list?
34. What is the sourse code for display the picture inbutton click event?
35. What are the difference between close() , exit() and end() function?
36. What is the size of .Net object?
37. How to create crystal report in vb.net with coding?

Section –II

Long Questions

Note: Attempt any three (3) questions.   3 X 10 = 30

Q2.   What is IDE? Explain the components of IDE.

Q3.   Explain the following elements of user interface with example:

    i.   Textbox
    ii. Label
    iii. Command button
    iv. Picture box
    v.   List box

Q4. a. What is control structure? Write difference between IF-THEN- ELSE and CASE structure.

   b. Write the code segment using IF-THEN-ELSE to status to variable RESULT on the bases of the following conditions

Ccondition	Status
Marks grater then or equal to 90	"Excellent"
Marks grater then or equal to 75 and less then 90	"Very Good"
Marks grater then or equal to 50 and less then 75	"Pass"
Marks less then 50	"Fail"

Q5. Write a program to calculate the factorial of given number using While loop. The number will be given at run time and display its result in textbox.

Q6. Write a program that uses a list box, textbox, four buttons. The user can enter a text in the textbox and press a button to add the text in the list box. The second is used to remove an item from the list. The third button is used to clear the list box and the last button is used to exit the program.