Model Paper "Programming Fundamentals Flow Charts and Programming with VB.NET"
For DIT Semester-I
Annual Examination 2016 & Onward
OBJECTIVE
(PART-A)

Roll No: _____

Time: 30Minutes   **Marks: 20**

Note: This part is compulsory. It should be attempted on 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.   1x20=20

1- The process of walking through a program's logic on paper before you actually write the program is called _____.

    a. Desk-checking   b. Flowcharting

    c. Pseudo coding   d. Testing

2- What symbol is used to represent output in a flowchart?

    a. Square.   b. Circle

    C. Parallelogram   d. Triangle

3- What is stander terminal symbol for a flowchart?

    a. Circle   b. Lozenge

    C. Diamond   d. Square

4- Which of the following is not a correct variable type?

    a. Float   b. Real

    c. Int   d. Double

5- What is wrong with the following: int long=345000?

    a. Invalid data type   b. Out of range value

    c. Invalid name for variable   d. All of these

6- What does the following evaluate to: 12*6/4+59-2/3*49?

    a. 1225   b.77   c. 0.5374   d. 0.008

7- Which of the following statement about for loop is true?

    a. Index value is retained outside the loop

    b. Index value can be changed from within the loop

    c. Goto can be used to jump, out of the loop

    d. All of the above

8- How long the following loop runs?

    For(x=0; x=3; x++)

    a. Three Times   b. Four   Times

    c. Forever   d. Never

9- The CONTINUE statement cannot be used with

    a. For   b. Switch   c. Do   d. While

10- When a class as base class for many derived classes, the situation is called:

    a. Polymorphism   b. Hierarchical inheritance

    c. Hybrid inheritance   d. None of these

11- When two or more classes serve as base class for a derived class, the situation is known as.

    a. Multiple inheritance   b. Polymorphism

    c. Encapsulation   d. Hierarchical inheritance

12- Whenever an application is created, a _____ is added.

    a. Form   b. Class

    c. Property   d. Object

13-_____ are interactive objects that you place in dialog boxes or other windows to carry out user actions.

    a. Controls   b. Objects

    c. Classes   d. Forms

14- The _____ enable us to pass data between a programs and a class.

    a. Functions   b. Properties

    c. Procedures   d. Variables

15- Syntax for closing and opening the connection in ADO.net is

    a. sqlConn.Open () and sqlConn.close ()

    b. sqlConn.open () and sqlConn.Close ()

    c. sqlConn.Open () and sqlConn.Close ()

    d. None of the above

16-Which language is not a true object-oriented programming language?

    a. VB.NET   b. VB 6

    c . C++   d.JAVA

17- Which is an example of Visual Basic Objects?

    a. Control objects   b. ASP.NET

    c . ADO.NET   d. All of these

18- The Button control can be activated:

    a. Programmatically through the click event.

    b. By clicking the button with the mouse.

    c. with the form's Default Button property

    d. Both a and b.

19- Which of the following Loop structure does not supported by VB.Net?

    a. Do................ Loop   b.for................... Next

    c . Do................ While   d. For Each............ While

20 - The function procedures are _____ by default.

    a. Public   b. Private

    c . Protected   d. Inherited

****

Model Paper "Programming Fundamentals Flow Charts and Programming with VB.NET"
For DIT Semester-I
Annual Examination 2016 & Onward
SUBJECTIVE
(PART-B)

Time:-2:30 Hrs   Marks:-80

SECTION-I

Note: - Attempt any twenty five (25) questions.   **2x25=50**
1- Define flow chart?
2- What are the advantages of flow chart?
3- Mention four basics steps in developing a computer program?
4- Why programming language important?
5- What is difference between VB and VB.NET?
6- What is namespace?
7- What is an assembly and its use?
8- What is strong name in .NET assembly?
9- What is ReDim keyword and its use?
10- What are nested classes?
11- What is the difference between value and reference types?
12- What is TRACE in VB.Net?
13- How many languages are supported by .Net?
14- What is the difference between Convert to string and i.tostring method?
15- What are the two main parts of .NET?
16- What is strong typing and weak typing?
17- What is the class that allows an element to be accessed using unique key?
18- What is Code Security?
19- What is deep copy?
20- What is deep copy?
21- What is default size of integer data type?
22- How to assign width label/button/text box in VB.NET?
23- How to assign font to label at run- time in VB.NET?
24- What is "fix" in VB.NET?
25- What is OOP?
26- What is an object?
27- What is Encapsulation?
28- What is Polymorphism?
29- What is inheritance?
30- What is constructor?
31- Enlist the types of constructors?
32- Define ADO.NET?
33- What is LINQ?
34- What is the use of SQL command object?
35- Write down the benefits of ADO.Net?
36- What is boxing and unboxing?
37- Which object needs to be closed?

SECTION-II

Long Questions

Note: - Attempt any three (03) questions.   **10x3=30**
Q-2 Write down the difference between data reader and data set?
Q-3 What are the data providers in ADO.NET framework?
Q-4 Write down the complete steps for creating windows form Applications?
Q-5 Enlist the complete steps involve in data binding with data grid view in   ADO.NET?
Q-6 Write down the control statements for VB.NET provides with brief description?
****