Seat
No.

[5163]-503

T.Y. B.C.A. (Fifth Semester) EXAMINATION, 2017

503 : DOT NET PROGRAMMING

(2013 PATTERN)

Time : Three Hours   **Maximum Marks : 80**

N.B. :— (*i*)   *All* questions are compulsory.

(*ii*)   *All* questions carry equal marks.

(*iii*)   Draw suitable diagram wherever necessary.

(*iv*)   Design proper GUI.

1.   Attempt any *eight* of the following :   [8×2=16]

(*a*)   What is difference between Read( ) and ReadLine( ).

(*b*)   How to declare a constant.

(*c*)   Define IDE.

(*d*)   State difference between Value type and Reference type.

(*e*)   How to load picture during runtime.

(*f*)   What is currency manager ?

(*g*)   What is DataAdapter ?

(*h*)   What do you mean by event in VB.Net ? Enlist any *two* Mouse Event.

(*i*) Explain about the keyword must inherit.

(*j*) Define exception.

2. Attempt the following (any *four*) : [4×4=16]

(*a*) Explain function overloading and function overriding with example.

(*b*) Explain features of Dot Net.

(*c*) Design GUI and write a code for the following :

⇒ Accept a number from an user through InputBox and display its multiplication table into the ListBox.

(*d*) Design GUI and write a code for the following :

(Using ADO.net) (use SQL-server to created b)

⇒ Create a table player(Pid, Pname, Game, no. of matches)

⇒ Insert-records into table.

⇒ Display appropriate message in MessageBox.

(*e*) Write a Vb.Net program for blinking an image.

3. Attempt the following (any *four*) : [4×4=16]

(*a*) Explain polymorphism in VB Dot Net.

(*b*) Explain destructor with an example.

(*c*) Design GUI and write a code for the following is VB.Net :

⇒ Select color from ComboBox

⇒ Change font color of TextBox with selected color.

(*d*) Write a program which uses a function to check whether a given number is perfect or not using console application.

(*e*) Design GUI and write code for the following :

⇒ Create a table Movie (Mname, Releaseyear, Director)

⇒ Insert the records (Max : S)

⇒ Delete the record of movie whose releaseyear is 2014 and display appropriate message in messageBox.

(Use MS Access to createdb).

4. Attempt the following (any *four*) : [4×4=16]

(*a*) List the components of ADO.Net and explain any *one* in detail.

(*b*) Explain InputBox( ) and MsgBox( ) with syntax and example.

(*c*) Write a VB.Net program to do the following operations on RichTextBox values :

(*i*) Bold

(*ii*) Italic

(*iii*) Exit.

(*d*) Design GUI and write a code for the following in VB.Net :

⇒ Accept string in TextBox

⇒ Convert into uppercase or lowercase using Radio Button.

(*e*) Define CLR and explain services provided by CLR.

5. Write short notes on (any *four*) : [4×4=16]

(*a*) Inheritance

(*b*) Constructor

(*c*) Databinding with ListBox

(*d*) Advantages of Dot.Net

(*e*) Garbage collection.