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[5517]-503

T.Y. B.C.A./T.Y. B.B.A. (C.A.) (Fifth Semester)

EXAMINATION, 2019

503 : VB.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.

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

(a) Explain any *two* date and time functions in VB.net.

(b) What is difference between Read() and Readkey().

(c) Write a code to add 5 items in combobox.

(d) What is CTS ?

(e) What is Dataset ?

(f) Define CLR. Enlist any *two* services provided by CLR.

(g) What is JIT compiler ?

(h) Enlist any *two* events of keyboard.

(i) Write any *two* benefits of 'Net Framework'.

(j) What is MSIL ?

P.T.O.

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

- (a) Define inheritance. Explain its types with suitable example.
- (b) Explain any *two* control structures in VB.net with example.
- (c) Design GUI and write a code for the following :
 - Accept a number from an user through InputBox.
 - Display addition and subtraction into different InputBox.
- (d) Write a VB.Net program to check whether entered string is palindrom or not.
- (e) Design GUI and write a code for the following :
(using ADO.net) [use MS Access to create db]
 - Create table Employee (Eid, EName, Designation, dateofjoining)
 - Insert records into the table.
 - Display appropriate message in message.

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

- (a) Explain access specifiers in VB.net.
- (b) Explain function overloading and function overriding with example.
- (c) Write a VB.net program to move the text “Introduction to VB.net programming”.

- (d) Design GUI and write a code for the following :
- Accept number through InputBox.
 - Count the even number among them and display the count by using MessageBox.
- (e) Design GUI and write code for the following :
- Create a table student (Rollno, Sname, Class)
 - Search record of students who are in 'TY' class and display result in Grid View [use SQL to create db]

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

- (a) Explain MyBase and MyClass keywords in detail.
- (b) Explain Exception with an example.
- (c) Explain one-dimensional array with example.
- (d) Design a GUI and write a code for the following :
- accept the details from user in TextBoxes.
 - having information — Name, Basic salary, DA, TA, HRA, MA, PF, PT
 - Clicking on submit button, Net salary should be calculated and displayed into the TextBox.
- (e) Design GUI and write a code for the following :
- Accept sentences in TextBox.
 - Count the number of words and display the count in MessageBox.

5. Write short notes on (any *four*) :

[4×4=16]

- (a) Interface
- (b) Data Adapter
- (c) Progress Bar
- (d) ADO.NET Architecture
- (e) IDE.