

Total No. of Questions—5]

[Total No. of Printed Pages—3

Seat No.	
-------------	--

[4968]-501

B.C.A. (Fifth Semester) EXAMINATION, 2016

VB.NET PROGRAMMING

(2008 PATTERN)

Time : Three Hours

Maximum Marks : 80

- N.B. :-** (i) All questions are compulsory.
(ii) All questions carry equal marks.
(iii) Draw suitable diagrams wherever necessary.
(iv) Design proper GUI.

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

- (a) What are interfaces ?
- (b) What is garbage collection ?
- (c) What is polymorphism ?
- (d) Enlist any *two* common exceptions which occur in the VB.Net.
- (e) What is data validation in VB.Net ?
- (f) Explain list box control.
- (g) Explain properties of timer control.
- (h) What do you mean by MDI in VB.Net ?
- (i) Enlist various features of VB.Net.
- (j) Explain the Active Mdichild property of a form.

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

- (a) Give the stages of asp page life cycle.
- (b) Describe multiple catch block with example.

P.T.O.

- (c) Design GUI and write code in VB.Net for the following :
- Accept two numbers in two text boxes.
 - Add and multiply both the numbers.
 - Display the result in third text box.
- (d) Write a program in VB.Net to do the following operations on combo-box control :
- Add item
 - Remove item
 - Sort item.
- (e) Design GUI and write code for the following in VB.Net (ADO.Net) without wizard.
- Accept teachers details like Teacher_No. Teachers_Name, Teachers_Qualification, and save these details in teachers table.

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

- (a) Give the difference between overloading and overriding.
- (b) Explain Common Type System (CTS)
- (c) Design GUI and write a code for the following in VB.Net :
- Accept five numbers in ListBox.
 - Find maximum number among them.
 - Display the result in TextBox.
- (d) Design GUI and write code for the following in VB.Net :
- Accept the string in textbox.
 - Reverse it and display it in second textbox.
- (e) Explain any *four* advantages of VB.Net.

4. Attempt the following (any *four*) : [4×4=16]
- (a) Design GUI and write code for the following in VB.Net :
- Accept a number in textbox.
 - Convert the number into binary and show result in second textbox.
- (b) Write a program to calculate the Fibonacci series of a given number using console application.
- (c) Explain destructor with suitable example.
- (d) Explain various built in dialog boxes.
- (e) Explain any *four* data types with example in VB.Net.
5. Write short notes on (any *four*) : [4×4=16]
- (a) Progress bar
- (b) Abstract class
- (c) Constructor
- (d) Menus in VB.Net
- (e) Databinding.