

H-88-21

Roll No.....

Annual Examination, 2021

B.C.A. III (New Course)

B.C.A.-303

Paper III

(Dot Net Technology)

Time : 3 Hours]

[Maximum Marks : 80

Note : Attempt any two parts from each unit. All questions carry equal marks.

Unit I

1. Explain features of .net and write concept of .net framework.
2. What is assemblies ? Explain in detail.
3. Write short note on the following : **(any two)**
 - (a) JIT compilation,
 - (b) Garbage collection,
 - (c) CLR

Unit II

1. What are conditional statements ? Write a program to explain any conditional statement.

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2. Explain the concept of array with example.
3. Write short note on the following : **(any two)**
 - (a) Sub procedure,
 - (b) Data types in VB.net,
 - (c) For loop in VB.net.

Unit III

1. Explain the working of visual studio IDE to create a .net solution.
2. Explain msgbox() function and message box control.
3. Write short notes on the following : **(any two)**
 - (a) Input Box function,
 - (b) Timer control,
 - (c) Buttons.

Unit IV

1. How can we create class and data members in VB.net ? Explain with example.
2. Explain the concept of Inheritance.
3. Write short note on : **(any two)**
 - (a) Constructor,
 - (b) Method overlooking,
 - (c) Descructor.

Unit V

1. Explain the concept of ADO.net with suitable diagram / Table.

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2. Write a program to create a database application.

3. Write short note on : **(any two)**

(a) Data grid,

(b) .net data provider,

(c) Dataset component.

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