

Roll No .....

## MCA-504(E)

### M.C.A. V Semester

Examination, November 2019

### Dot Net Technology

(Elective - II)

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.  
ii) All questions carry equal marks.

1. a) Explain .Net frame architecture with block diagram.  
b) What is Structured Error Handling in VB .Net? Explain with proper example.
2. a) What is method Overloading? Create C# program to overload area method to find area of circle, triangle and square.  
b) Explain Constructor and types of Constructor with example.
3. a) What is Inheritance? What is the advantage of Inheritance? Explain it in brief with suitable example using VB .Net.  
b) What is the difference between Datagrid, Datalist and Repeater?
4. a) Explain Common Language Runtime (CLR) with diagram.  
b) How the variables are declared in VB .Net and describe the different types of variables with example.

5. a) Write a VB .Net program that will read a string and count the total number of words in a string. Also write a code to count all occurrences of a particular word enter by user.  
b) What are the ways for handling the runtime errors in VB .Net?
6. a) What are Master pages? How to create Nested Master Pages? Explain with example.  
b) What is Web service? Create a web service that adds two numbers.
7. a) Explain various Data types used in VB .Net and C# with example.  
b) Explain ADO .Net architecture.
8. a) What is Delegate? Explain it in brief with suitable example.  
b) Explain Cookie and Application state with example.

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