

MCA - 504(E)**M.C.A. V Semester**

Examination, December 2015

Dot Net Technology

(Elective - II)

Time : Three Hours**Maximum Marks : 70**

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
- ii) All parts of each question are to be attempted at one place.
- iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.
- iv) Except numericals, Derivation, Design and Drawing etc.

Unit - I

1. a) What is .Net? Explain.
- b) Explain the significance of JIT.
- c) What is the difference between C# and VB.Net?
- d) Describe .Net framework with their components (CTS, CLS, CLR).

Or

Write down Microsoft, .Net versions released up to 2010 with version name, version number, release year.

Unit - II

- a) What are the different types of assembly?
- b) What is garbage collection? Explain.
- c) Explain the loop statement in VB.Net with syntax.
- d) How to use function, procedure and module in VB.Net?

Or

Explain the following with VB.Net program.

- i) Finalize()
- ii) Short circuit operators.

Unit - III

- a) What is jagged array in VB.Net?
- b) Give the significance of Boxing.
- c) What is the difference between System String and System String Builder classes?
- d) How to use Exception handling in VB.Net? Write a simple program with exception handling.

Or

What do you meant by structure and enumeration? Explain with a set of code.

Unit - IV

- a) Define command line interfaces.
- b) What do you understand by API and OLE?
- c) Write down the members of string builder class.

- d) What do you meant by namespaces? Also give their respective classes which are used for data processing.

Or

Write short notes on :

- i) Events data processing
- ii) Delegate
- iii) Adapter

Unit - V

5. a) What is MDI form? Write its properties.
- b) Explain MsgBox and Input Box functions.
- c) Describe the menu control in VB.Net with relevant properties.
- d) Write down the features of C# and Asp.Net.

Or

What is a form in VB.Net? What are the methods for adding controls to a Form?
