

Roll No

MCA - 504(E)
MCA V Semester
 Examination, December 2013

Dot Net Technology

(Elective - II)

Time : Three Hours

Maximum Marks : 70

- Note:** 1. Attempt any five questions.
 2. All questions carry equal marks.

1. a) Give architecture of .NET framework. Also describe various components of .NET framework. 7
 b) Explain the following terms: 7
 - i) MSIL
 - ii) Object Code
 - iii) CLR
 - iv) CTS.
2. a) What are the benefits of .NET framework, give a brief overview of the versions of .NET framework. 7
 b) List the essential hardware and software components required to install visual studio 2008. Also describe briefly the .NET security model. 7
3. a) Explain the following methods with their importance and usage. 7
 - i) Extension methods
 - ii) Partial methods
 b) Write steps to create and run an application that displays and hides the controls and form. 7

4. a) What are the features of a combo box control? Write properties and methods of combo box with description of each. 7
 b) Write steps to create a program that uses a timer to close its own program if a valid password isn't entered in 15 seconds. 7
5. a) What are access modifiers, what are the various types of access modifiers provided by .Net? 7
 b) What is meant by assembly? Write its importance and role. 7
6. a) What are error handlers? Compare them with defensive programming techniques. 7
 b) Write a program that initializes a 2D array of 4 by 5 with numbers and displays the sum of all rows, columns and the entire matrix. 7
7. a) Describe the procedure of accessing database with ADO.NET. Explain the advantages and drawbacks of using ADO.NET. 7
 b) What are the different methods of session maintenance in ASP.NET? 7
8. Write short notes on the following : 3.5×4
 - i) Roles and Relationships
 - ii) Advanced Interface patterns
 - iii) Features of C#
 - iv) Collections.
