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MCA 504

Fifth Semester M.C.A. Degree Examination, December 2018
.NET TECHNOLOGIES

Time : 3 Hours

Max. Marks : 75

Note : Answer **any five full** questions. **All** questions carry **equal** marks.

1. a) What are the features of .NET framework ? Explain in detail. 7
b) Explain in detail : (a) CTS (b) Class library. 8
2. a) Write a note on Windows application. 4
b) Write a program to compute and display the average of 3 numbers with input taken from the console. 5
c) Explain with examples the C# operators : **is**, **as** and **typeof**. 6
3. a) Explain the significance of Property and Indexers with example. 8
b) What is array in C# ? Explain various types of it with suitable programs. 7
4. a) Write a VB.NET application to create your own class and demonstrate constructor overloading. 8
b) Explain unsafe code in C# .NET. 7
5. a) What is inheritance ? Explain inheritance in VB.NET with example. 7
b) Enlist various Windows Form Controls. Create a VB.NET application for demonstrating use of any five controls. 8
6. a) Explain interface with an example in VB.NET. 7
b) Write a note on data adapters and data reports. 8
7. a) What are Client Side Control and Server Side Control in ASP.Net ? Create user define control to count the length of string using C#. 8
b) What is Debugging and Error Handling in Dot Net Technology ? Explain with proper example. 7
8. a) Explain various Validation controls for ASP.NET with example. 7
b) What do you mean by web services ? What are the protocols of web services ? Also explain their class references. 8