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MCA 5th Semester with old notes Maximum Marks

Scheme 80 Examination, December-2015

ADVANCED TECHNOLOGY

Paper-MCA-501

Time allowed : 3 hours]

[Maximum marks : 80

Note : Attempt five questions in all, selecting at least one question from each unit. All questions carry equal marks.

Unit-I

1. What is .Net Framework ? What is common type system (CTS) ? Explain the .net architecture and various components of .NET Framework with an example. 16
2. (a) What is role of JIT compiler in .NET framework ? Explain. 6
(b) Describe the role of CLR in .NET framework. Explain. 5
(c) Explain Interoperability with unmanaged code. 5

Unit-II

3. (a) What is difference between VB and VB.NET ? What are different types of assembly ? Explain features of VB.NET in detail. 10
(b) Explain Exception Handling in VB.NET with example. 6

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[P.T.O.]

8. (a) What are the different validators in ASP.Net ? What is tracing ? Where is it used ? Explain. 8
- (b) What is difference between authentication and authorization ? What are advantages of passport authentication ? Explain. 8

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4. (a) What is the difference between public, static, and void ? Explain with example. 6
- (b) What are sealed classes in C# ? Explain. 5
- (c) What are custom control and user control ? Explain. 5

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Unit-III

5. (a) What is ADO.NET ? What are all features of ADO.NET ? What are the benefits of ADO.NET ? Explain. 10
- (b) What is a data set ? Explain any four data types with example in VB.NET. 6
6. Attempt the following : 7+4+5
- (a) What is different execute methods of ADO.NET ? Explain all the commands used with Data Adapter. Explain. 7
- (b) What is difference between ADO and ADO.NET ? What are two important objects of ADO.NET ? Explain classes that available in System. Data Namespace ? Explain. 7

Unit-IV

7. What is ASP ? What is difference between classic ASP and ASP.NET ? Explain all the major built in objects in ASP.NET. 16

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