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Question Paper Code : 21287

B.E./B.Tech. DEGREE EXAMINATION; MAY/JUNE 2013.

Seventh Semester

Computer Science and Engineering

CS 2041/CS 706 — C# AND .NET FRAMEWORK

(Common to Information Technology)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is Program Structure in C#?
2. What are the Advantages of using .Net?
3. Define Namespace.
4. How to create a One Dimensional Indexer?
5. What is File Operation?
6. What is Multitasking?
7. What are the Two Fundamental objects in ADO.NET?
8. What is Data Binding?
9. What is Application Domain in .NET?
10. What are the steps to Create a Web Services in C#.NET?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Briefly explain the Overview of .NET Framework. (8)
- (ii) What are the Operators in C#? Explain. (8)

Or

- (b) (i) Discuss about the ways in which C# is different from Java. (8)
- (ii) What are Arrays and Explain the Types of Arrays. (8)
- 12. (a) (i) What is Polymorphism in C# ? Explain with example. (8)
- (ii) Discuss about Inheritance with example. (8)

Or

- (b) (i) What is a Delegate? Explain with an example. (8)
- (ii) Briefly explain Operator Overloading with example. (8)
- 13. (a) (i) How to Create a Data Structure in C#? Explain. (8)
- (ii) Discuss about Multithreading in detail. (8)

Or

- (b) (i) Explain in detail on File Operation. (8)
- (ii) Write in detail on Synchronization with example. (8)
- 14. (a) How to Read and Write the XML Data? Explain in detail. (16)

Or

- (b) (i) Briefly explain ADO.NET Architecture. (8)
- (ii) Discuss about Simple and Complex Data Binding. (8)
- 15. (a) (i) Briefly explain the Remoting in C#.Net. (8)
- (ii) Discuss about WSDL in detail. (8)

Or

- (b) (i) What is the Role of XML Web Services? Explain. (8)
- (ii) Discuss about the .NET Coding Design Guidelines. (8)