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Question Paper Code : 80271

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2016.

Sixth Semester

Computer Science and Engineering

CS 6001 — C# AND .NET PROGRAMMING

(Common to Information Technology)

(Regulations 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the steps to compile in NET?
2. Define boxing and unboxing.
3. What is implementation inheritance?
4. List the restrictions in Thread Pool.
5. Highlight the uses of web services with examples.
6. What is the need for virtual directory?
7. Differentiate Model and Modeless Dialog.
8. List the advantages of stored procedure?
9. Define CLR.
10. Mention the use of Assemblies.

PART B — (5 × 16 = 80 marks)

11. (a) Explain the program control statements available in C#? Explain it with suitable example.

Or

- (b) (i) Explain the properties and functions in Array Class. (8)
- (ii) Write the program to sort the number in descending order. (8)

12. (a) Explain the concept of interfaces in detail.

Or

(b) Mention some states where “delegates” are useful. Implement the concept for sorting the employee details using bubble sort. (2 + 14)

13. (a) Illustrate Exceptions and User Defined Exceptions with suitable example.

Or

(b) (i) What are the steps to link SQL Server with ADO.NET. (8)

(ii) Write a program for maintaining the students information (roll number, name, address and phone number) using ADO.NET and SQL Server. (8)

14. (a) Develop a webservice to perform simple interest calculation using .NET.

Or

(b) Describe the state management techniques for web application in detail.

15. (a) Explain reflection in detail with suitable example.

Or

(b) Explain how security is implemented in .NET environment.