Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 71654

05/06/2017 RN

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2017.

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.   Why C# is called type safe language?

2.   Define CLR and list down feature of CLR.

3.   Mention the uses of delegate.

4.   What are the uses of sealed class?

5.   Define data adapter.

6.   What are intrinsic attributes?

7.   Discuss the reason for doing the Serialization of object.

8.   State the phases of a transaction.

9.   What is the purpose of reflection?

10. Define marshalling.

PART B — (5 × 16 = 80 marks)

11. (a)   Describe the architecture of .NET framework with neat diagram.   (16)

Or

     (b)   What are the methods and properties supported by ArrayList class? Explain.   (16)

12. (a) Describe the concept of indexers with example. (16)

Or

(b) How the Exception are handled in C#? (16)

13. (a) Illustrate standard controls and components of windows forms in .NET. (16)

Or

(b) What are MDI Forms? Explain how to create MDI Form with example. (16)

14. (a) Describe how to read and write the streamed XML in .NET. (16)

Or

(b) How session is established, managed and tracked? Explain in detail. (16)

15. (a) What are assemblies? Explain the creation and sharing of assemblies in detail. (16)

Or

(b) Explain the encryption technologies applied in .NET with example. (16)

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