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Question Paper Code : P 1184

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2009.

Seventh Semester

Computer Science and Engineering

CS 1010 — C# AND .NET FRAMEWORK

(Common to Eighth Semester B.Tech. Information Technology)

(Regulation 2004)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. How does C# differ from Java?

2. Name any four applications that are supported by .NET platform.

3. What is an indexer? What is it used for?

4. List atleast three important features of properties.

5. Define SOAP and WSDL.

6. Define Meta data.

7. Give an example for asynchronous I/O.

8. What are intrinsic attributes?

9. Define serialization.

10. Define delegates and events.

PART B — (5 × 16 = 80 marks)

11. (a) (i) What are the categories of variables supported by C#? (4)

    (ii) With suitable illustration explain the scope of each category of the variables. (8)

    (iii) With an example define boxing and unboxing. (4)

Or

    (b) Explain the various parameter passing methods in C#. (16)

12. (a) Discuss in detail the different visibility control mechanisms in C#. (16)

Or

    (b) (i) How do you hide a method and override a method? Explain with suitable examples. (8)

    (ii) Compare abstract and sealed classes. (8)

13. (a) Explain in detail threads and their synchronization. (16)

Or

    (b) Describe in detail marshaling and remoting. (16)

14. (a) Explain the importing and exporting of .NET and COM components. (16)

Or

    (b) Explain the steps in developing web services with suitable example. (16)

15. (a) (i) Write notes on ADO.NET object model. (8)

    (ii) Write notes on XML. (8)

Or

    (b) (i) Discuss the implementation of Data binding in web applications. (8)

    (ii) Write short notes on the use of streams. (8)

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