H 1184

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2006.

Sixth Semester

Computer Science and Engineering

CS 062 — C# AND .NET FRAME WORK

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Explain what do you understand by XML Web Services.

2. What are the benefits of using .NET?

3. Give the W3C definition of XML.

4. Explain the purpose of C#.

5. List out the primary and unary operators along with their associativity.

6. What is inheritance?

7. Enumerate various branching statements available in C# with their corresponding description.

8. What do you understand by a method? Give the syntax required for creating a method?

9. Explain briefly the namespace.

10. Explain the differences between instance and static members.

PART B — (5 × 16 = 80 marks)

11. (i) State and explain the three main parts of .NET Framework?

(ii) List out various "types" in C# and explain with suitable examples.

12. (a) (i) State and explain the usage of the conditional operators w appropriate examples.

(ii) Write a program to generate Fibonacci series.

Or

(b) (i) Write a program in C# for computing the average of given numbers.

(ii) Distinguish between While and Do loops with suitable example usage in C# along with their syntax.

13. (a) (i) State and explain various kinds of parameters a C# can handle.

(ii) Explain briefly the method of implementing the *using* and *ali* directives with suitable example.

Or

(b) (i) List out the types of members that can be included in your classe and explain.

(ii) Explain polymorphism with a suitable example to implemen polymorphism.

14. (a) (i) What do you understand by a property? Create a Read-only an Write-only properties?

(ii) Explain the purpose of *structs* in C# and how to implement it? (8)

Or

(b) (i) Explain a Delegate and an Event with appropriate examples. (8)

(ii) Implement a routine with a try/catch block. (8)

(a) (i) Give the syntax for implementing operator overloading. List out the rules enforced by the C# for overloading the operators. (8)

(ii) Explain with a suitable example for creating an *enum* and using it. (8)

Or

(b) Write the short notes on the following :

(i) Windows Forms. (5)

(ii) Multiple Inheritance. (6)

(iii) Attributes. (5)
