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Question Paper Code : 65061

5 Year M.Sc. DEGREE EXAMINATION, MAY/JUNE 2013.

Elective

Software Engineering

XCS 019 — EXTREME PROGRAMMING

(Common to 5 Year M.Sc. – Computer Technology and Information Technology)

(Regulation 2003)

Time : Three hours   Maximum : 100 marks

Answer ALL the questions.

PART A — (10 × 2 = 20 marks)

1.   List the features of C#.

2.   Differentiate value types and reference types.

3.   List the various operations on enumerations.

4.   Write a simple program to find the minimum number in the list.

5.   What is meant by nesting method in C#?

6.   Develop a simple C# program to find the biggest number using conditional operator.

7.   What is meant by constructor?

8.   List the various operators that are not overloaded in C++.

9.   Write note on multicast delegates?

10. What is meant by debugging? How is it carried out in C#?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Describe the data types used in C#. (8)

    (ii) Explain the terms literals and variables with example. (8)

    Or

    (b) (i) List the various operators used in C#. (8)

    (ii) Explain in detail about C# environment. (8)

12. (a) What is meant by loop? Discuss any two loop statement used in C# with examples.

    Or

    (b) Explain in detail about pass by value and pass by reference with examples.

13. (a) What is meant by array? List the merits and demerits of array. How it is initialized in C#. Write C# program to sort the given numbers in ascending order.

    Or

    (b) What is meant by structure? Discuss the syntax of nested structure? How it is differ from class. Write a program to print the employee details using nested structure.

14. (a) What is inheritance? Describe the types of inheritances used in C# with examples.

    Or

    (b) (i) What is interface? How it is created in C#. Give example?

    (ii) Write a program to add two complex number using the concept of operator overloading.

15. (a) (i) Describe the concept of Exception handling in C#. How it is used in C#. (8)

    (ii) Explain the console Input and Output briefly. (8)

    Or

    (b) What is meant by delegates? How is it declared, initialized and invoked in C#? Give examples.