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Name................................

Reg. No. . . . .

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2009

Computer Science (Main)

CS 103—OBJECT ORIENTED CONCEPTS AND C++

(2005 Admission)

Time : Three Hours   Maximum : 80 Marks

Part A

Answer any five *questions.*
Each question carries 8 marks.

1. Bring out the features of OOP.

2. With example, explain :—

   (a)   In-line function.

   (b)   default arguments.

3. Write a program that asks an integer and then displays it in decimal, octal and hexadecimal.

4. How do we invoke a constructor and destructor function ? Explain.

5. What does polymorphism mean in C++ language ? Explain.

6. Explain the activity diagrams in UML.

7. Discuss software implementation in detail.

(5 x 8 = 40 marks)

Part B

Answer any **four** *questions.*
Each question carries 10 *marks.*

8. Compare and contrast the advantages of OOP languages with conventional programming languages.

9. What is the difference between structure and an array ? Explain.

10. Define a class string. Use overloaded = = operator to compare two strings.

11. Discuss the various file operations with examples.

12. "Things are the basis building blocks in UML". Explain.

13. Explain object Oriented Design in detail.

(4 x 10 = 40 marks)