MCA–134   **MCA-09/ PGDCA-07**

M.C.A. DEGREE/PGDCA EXAMINATION – JANUARY 2009.

Second Semester/First Year

C++ AND OBJECT ORIENTED PROGRAMMING

Time : 3 hours   Maximum marks : 60/75

Answer for 5 marks question should not exceed 2 pages.

Answer for 10 marks questions should not exceed 5 pages.

PART A — (4 × 5 = 20/5 × 5 = 25 marks)

Candidates with enrolment number starting with A4MCA and C4MCA should answer any FOUR from the questions 1 to 6 and all others should answer any FIVE from the questions 1 to 7 in part A.

1.   Explain the Principles of object oriented Programming Paradigm.

2.   Explain the Structure of a C++ program and explain the same.

3.   What is an Object? Give example.

4.   Explain Inheritance with example.

5.   What is an exception? Give examples.

6.   What are the rules for Overloading Operator?

7.   Differentiate Static and Dynamic Models.

   PART B — (4 × 10 = 40/5 × 10 = 50 marks)

   Candidates with enrolment number starting with
A4MCA and C4MCA should answer any FOUR from the
   questions 8 to 13 and all others should answer any
   FIVE from the questions 8 to 14 in part B.

8.   Compare Procedure oriented and Object Oriented
Programming.

9.   Develop a C++ program to sort 'N' numbers.

10. Explain in detail with an example.

   (a)   Break Statement.   (3)

   (b)   Continue Statement.   (3)

   (c)   Switch Statement.   (4)

11. Describe Array of Pointers with an example.

12. Explain Static Data Member with an example.

13. Write a note on inline Functions with an example.

14. Explain Exception Handling in C++.

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