Register Number.....

M.C.A. DEGREE EXAMINATIONS: NOVEMBER 2009

Second Semester

P07CA202: OBJECT ORIENTED PROGRAMMING

Time: Three Hours **Maximum Marks: 100**

Answer ALL the Questions:-

PART A (10 x 2 = 20 Marks)

1. What do you mean by Dynamic Binding? How is it useful in OOP?
2. How are data and functions organized in an object-oriented Program ?
3. How is a pointer variable declared in c++ ?
4. What is a friend function ?
5. Define Default Constructor.
6. What are the scope rules governing the operator overloading ?
7. What is an iterator? What are its characteristics ?
8. What is exception handler ? What are the keywords used to handle the exception in C++
9. Define Abstract types
10. Give the role of classes.

PART B (5 x 16 = 80 Marks)

11. (a) (i) How does object oriented approach differ from object-based approach ? (8)

(ii) What are the unique advantages of an object-oriented programming paradigm (8)

(OR)

(b) Discuss the principles of object oriented programming paradigm.

12. (a) Write a Program to illustrate an inline member function to read a data member of a class from the keyboard and to display it on the screen

(OR)

(b) Write a Program to check how many instances of the class object are created using the static member function

13. (a) (i) List the operators that can be overloaded for binary usages. (8)

(ii) List the operators that can be overloaded for unary usages. (8)

(OR)

(b) Explain the operation of overloading of an assignment operator.

14. (a) Explain a class hierarchy in which a derived class has multiple base classes.

(OR)

(b) Discuss about the types of iterators with an example.

15. (a) Explain the concepts of object oriented design concepts.

(OR)

(b) What is Object Oriented design ? How it is implemented ?

****