BCA DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017
(2016 Admission - Regular & 2015 Admission - Supplementary / Improvement)
SEMESTER II - CORE COURSE
(CLOUD TECHNOLOGY AND INFORMATION SECURITY MANAGEMENT)
CA2C07TB – OOPS with C++

Time: Three Hours   **Maximum Marks: 80**

PART A

I.   Answer all questions. Each question carries 1 mark

1.   What do you mean by data abstraction?
2.   What are the uses of scope resolution operator
3.   What is a pointer?
4.   What are the operators that can't be overloaded?
5.   What should be placed inside the catch block?
6.   What is a stream?

                                                                              (6x1=6)

PART B

II.   Answer any seven questions. Each question carries 2 marks

7.   What are the limitations of structure?
8.   What isthe difference between macro and inline?
9.   What is the difference between static data member and static member function
10. Discuss the syntax of set() function
11. What are access specifiers?
12. What is the order of execution of constructor and destructor in inheritance?
13. What is 'this' pointer?
14. What do you mean by late binding?
15. When should a program throw an exception
16. Why 'cin' and 'cout' not considered as keywords?

                                                                              (7x2=14)

PART C

III. Answer any five questions. Each question carries 6 marks

17. Explain the difference between break and continue statements in C++ with examples.
18. Why call by reference technique is used in copy constructor not call by value?
19. Write a program to add two complex numbers using operator overloading.
20. What is the difference between delete and destructor in C++?
21. Which are the characteristics of friend function?

22. How is it possible to make a private member inheritable?
23. Distinguish between overloaded function and function template
24. How a function template can be overloaded in C++? Explain.

(5x6=30)

PART D

IV. Answer any two questions. Each question carries 15 marks

25. What is type casting? Write a program to convert object of one class to another?
26. Explain about different functions in C++ with examples.
27. Explain pointers in C++? Give examples.
28. With relevant examples explain exception handling in C++.

(2x15=30)