

TB172670B

Reg. No:.....

Name:

BCA DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2018
(2017 Admission Regular, 2016 Admission Improvement/Supplementary)
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. Define operator overloading?
2. What are storage classes?
3. What is an extraction operator?
4. What are the operators that can't be overloaded?
5. What should be placed inside the catch block?
6. What is late binding?

(6x1=6)

PART B

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

7. What is enumerated data type?
8. What is the difference between macro and inline?
9. How an exception is handled in C++?
10. Explain about destructors.
11. What are the advantages of inheritance?
12. What is the order of execution of constructor and destructor in inheritance?
13. Define friend function?
14. What is function overloading?
15. When should a program throw an exception?
16. What is a pointer array?

(7x2=14)

PART C

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

17. Differentiate call by value and call by reference with examples.
18. Explain about storage classes in C++?
19. Write program to add two complex numbers using friend function.
20. Explain with example why templates are used in programming?
21. Which are the basic concepts of OOPS, Give real world examples?
22. What is the difference between manipulators and iOS member function in implementation. Give example
23. Distinguish between overloaded function and function template
24. Explain program to overload subscript ([]) operator.

(5x6=30)

PART D

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

25. With suitable examples explain C++ streams.
26. What do you mean by function overloading? Write a C++ program to find the area of different shapes using function overloading
27. What is inheritance? Explain difference types of inheritance with examples?
28. Explain the following with examples
 - Virtual member function
 - Virtual base class
 - Pure virtual function

(2x15=30)