

ANNA UNIVERSITY COIMBATORE  
B.E. / B.TECH. DEGREE EXAMINATIONS : MAY / JUNE 2010  
REGULATIONS : 2007  
FOURTH SEMESTER  
070230004 - OBJECT ORIENTED PROGRAMMING  
(COMMON TO CSE / IT)

TIME : 3 Hours

Max.Marks : 100

PART – A

(20 x 2 = 40 MARKS)

ANSWER ALL QUESTIONS

1. Discuss the demerits of Structured Programming.
2. Define Object Oriented Programming.
3. List the Characteristics of Object Oriented Programming.
4. Write the general form of a C++ Program.
5. Define a Class and an Object.
6. Define a Constructor and list the types of it.
7. What is a Friend Function?
8. Define a Pointer.
9. How will you define an Exception?
10. What do you mean by a template?
11. What are terminate( ) and unexpected( ) functions?
12. Define a Pure Virtual function.
13. How will you overload an operator?
14. List the operators that cannot be overloaded.
15. List the functions that can be used to Open and Close a File.
16. Write a simple C++ code to swap any two values without using a temporary variable.
17. What is STL.
18. Define a Container.

19. Draw a diagram which depicts the concept of multiple Inheritances.
20. Enumerate some of the string manipulation functions with its functions.

PART – B

(5 x 12 = 60 MARKS)

ANSWER ANY FIVE QUESTIONS

21. Discuss in detail about the basic concepts of OOP.
22. Define a constructor and implement stack using constructor.
23. Write short notes on the following with necessary example.  
(a) Friend Function (b) Inline Function
24. Explain in detail about operator overloading with your own example.
25. Explain the concept of different types of inheritance with an example.
26. Discuss in detail about templates with your own example.
27. Explain the concept of exception handling with an example.
28. Write a C++ program to copy the content of one file to another file.

\*\*\*\*\*THE END\*\*\*\*\*