

ANNA UNIVERSITY COIMBATORE

B.E. / B.TECH. DEGREE EXAMINATIONS : OCTOBER 2009

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. What are the different storage class specifiers supported by C++?
2. How do you estimate the length of the variable?
3. State the use of mutable keyword.
4. Define compound statements.
5. What is meant by multiple indirection? Give example.
6. What is Anonymous Union? Give example.
7. How will you define inline functions? Give example.
8. Write down the code snippet for counting the number objects for a specific class.
9. Name the different operators which can not be overloaded.
10. State the use of protected access specifiers.
11. Differentiate between normal base class and virtual base class.
12. Define virtual functions.
13. Write down the power of templates.
14. When are the terminate () function gets called?
15. How do you set and clear the format flags?
16. How will you create your own inserters?
17. State the use of flush() function.
18. What is the usage of dynamic_cast?

19. What are the two different functions are used to perform random access?
20. Name any four different file access modes.

PART – B

(5 x 12 = 60 MARKS)

ANSWER ANY FIVE QUESTIONS

21. Describe the different categories of statements with examples.
22. Define Constructors. Explain the various characteristics of constructors with its different types.
23. Elucidate different types of inheritance with example.
24. Discuss in detail about class templates and function templates with examples.
25. Give an account of different kinds of file pointers with its functions.
26. Explain in detail about function overloading and operator overloading with suitable examples.
27. How will you handle the run time errors? Explain the error-handling mechanism with example.
28. Describe how to achieve the compile-time and run-time polymorphism with examples.

*****THE END*****