



Reg. No. :

Name :

**Fourth Semester B.Tech. Degree Examination, February 2015
(2008 Scheme)**

Branch : Computer Science

08.404 : OBJECT ORIENTED TECHNIQUES (RF)

(Special Supplementary)

Time : 3 Hours

Max. Marks : 100

PART – A



Answer **all** questions.

1. List some applications of C ++ ?
2. Explain with example memory management operators.
3. What are the characteristics of constructors ?
4. Illustrate the effect of inheritance on the visibility of members of a class.
5. Discuss the various classes available for file operations.
6. Explain with example function templates.
7. When is a friend function compulsory ? Give example.
8. Explain with example virtual function.
9. What are the functions which are used for the manipulation of file pointers ?
10. Explain the steps involved in operator overloading. **(10×4= 40 Marks)**





PART – B

Answer **one** question from **each** Module. **Each** question carries **20** marks.

Module – I

11. a) Explain in detail references in C ++. 10
 b) What are the advantages of OOPs ? 10

OR

12. a) Explain with example C++ enhancements to C. 15
 b) List some applications of OOPs. 5

Module – II

13. a) Explain with example how to use a common friend function to exchange the private values of two classes. 10
 b) Explain in detail copy constructors and parameterized constructors. Give example. 10

OR

14. a) Explain in detail type conversion in C ++. 10
 b) Illustrate with example use of dereferencing operators to access class members. 10

Module – III

15. a) Explain with example different types of inheritance. 15
 b) Write a program that concatenates two files and write the result into a third file. 5

OR

16. a) Explain with example overloading binary operators using friend function. 10
 b) Explain with example error handling functions. 10

