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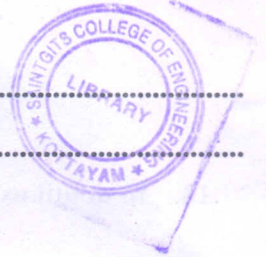
B.TECH. DEGREE EXAMINATION, MAY 2015

Fourth Semester

Branch : Computer Science and Engineering

CS 010 402—OBJECT ORIENTED PROGRAMMING (CS)

(New Scheme—2010 Admission onwards)

[Regular/Improvement/Supplementary]

Time : Three Hours　　　　　　　　　　　　　　　　　　　Maximum : 100 Marks

Part A

*Answer **all** questions.*
Each question carries 3 marks.

1. Give any *four* advantages of OOPs.

2. When to use the Inheritance concept ?

3. What is meant by Polymorphism ?

4. What does mean inline function ?

5. What are C++ streams ?

(5 × 3 = 15 marks)

Part B

*Answer **all** questions.*
Each question carries 5 marks.

6. What are Enumeration types and Explain.

7. Explain code reuse with an example.

8. Write down the applications of abstract classes.

9. Write short notes on Virtual Base Classes.

10. What are the differences between sequential and random access file ?

(5 × 5 = 25 marks)

Part C

*Answer **all** questions.*
Each question carries 12 marks.

11. Explain in detail about the Programming Elements.

Or

12. Define Member function and explain in detail about function outside the class body with example program.

Turn over

13. In detail explain single, Hierarchical and hybrid inheritance.

Or

14. In detail explain public, private and protected inheritance.

15. Discuss about the Overload Operators.

Or

16. Explain in detail about Friend function with example program.

17. Explain Overloaded function templates, with suitable example program.

Or

18. What is a class template ? Explain the syntax of a class template with suitable program.

19. What are the different types of error that might pop-up while processing file ?

Or

20. Write down the notes on Object Oriented system development.

(5 × 12 = 60 marks)