

C 17095

Name.....

Reg. No.

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, AUGUST 2006

Computer Science

CS 204—OBJECT-ORIENTED PROGRAMMING

Time : Three Hours

Maximum : 60 Marks

Part A

*Answer any five questions.
Each question carries 3 marks.*

1. Differentiate between Procedural Languages and Object-oriented Languages.
2. Describe with examples the significance of Scope Resolution Operator.
3. What is a copy constructor ? Explain with an example.
4. Mention the advantages for defining a member as protected.
5. Define the term **aliasing**. Why is it necessary ?
6. List out the various types of inheritance. Illustrate with the syntax for each.
7. What is a reference variable ? Explain.

(5 x 3 = 15 marks)

Part B

*Answer any three questions.
Each question carries 15 marks.*

8. (a) Describe in detail the various characteristics of Object-oriented Programming Languages. (8 marks)
(b) Explain with an example, how Data Hiding is achieved. (7 marks)
9. (a) Discuss on the utility of constructors and destructors with suitable examples. —(7 marks)
(b) What is **containership** ? Describe in detail. (8 marks)
10. (a) Illustrate the various types of polymorphism with necessary descriptions. —(8 marks)
(b) Describe how multi-level inheritance is achieved. Discuss in detail. (7 marks)
11. (a) Discuss on the various types of files and their operations. —(7 marks)
(b) Comment on the utility of pointers in Object-oriented Programming. (8 marks)

[3 x 15 = 45 marks]