

II Semester B.C.A. Examination, June/July 2011
C++ (OBJECT ORIENTED PROGRAMMING)

Time : 3 Hours

Max. Marks : 75

Instructions : 1) Answer *all* questions in Part – A.
2) Answer *any five* questions in Part – B.

PART – A

1. What are object ? (12×2+1×1=25)
2. Define encapsulation.
3. What do you mean by function overloading ?
4. What do you mean by array of objects ?
5. What is multilevel inheritance ?
6. Define constructor.
7. What is inheritance ?
8. Mention different iostreams in C++.
9. What is data abstraction ?
10. Differentiate between structure and class.
11. Write an example for return by reference.
12. What is a virtual function ?
13. Write a note on set ().

P.T.O.

PART – B

Answer **any five** :

(5×10=50)

1. a) Explain the complete structure of a C++ program with example.
b) Explain class and its access notes in C++.
 2. a) Explain the different ways of calling a constructors with example.
b) Write the rules for writing a constructor function.
 3. Write a C++ program to overload binary operator.
 4. Explain multiple and hybrid inheritance.
 5. Write a note on pure virtual function.
 6. Explain how you handle exception in C++.
 7. a) Write a short note on Buffers and Synchronization.
b) List the operators that cannot be overloaded.
 8. Write a C++ program to find area of a polygon using virtual member.
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