2006-PUNJAB TECHNICAL UNIVERSITY

B.TECH IV SEMESTER DEGREE EXAMINATION

OBJECT ORIENTED PROGRAMMING

(COMPUTER SCIENCE ENGINEERING)

TIME-3HOUR MARKS-60

Note: Section A is compulsory. Attempt any Four questions from Section B and two from Section C

SECTION A MARKS 2 EACH

- 1. What is a manipulator? Why do we need it?
- 2. What is the advantage of using streams for I/O operations in C++?
- 3. What is name mangling?
- 4. What is the difference between by passing argument by value to that of reference?
- 5. What is the advantage of contiguous memory allocation in arrays?
- 6. I a and b are tow arrays of the same type, can the statement a=b work?
- 7. How is structure passed to a function?
- 8. How is memory allocated to structure variables?
- 9. What is null pointer?
- 10. Can we write a[i] as i[a]?

SECTION B MARKS 5 EACH

- II Explain the following with examples:
- 1. setbase
- 2. setfill().
- III What is the difference between actual and formal arguments? Explain the relationship between them.
- IV What is an array of characters? Where are they used?
- V What is a structure? How can the structure be nested?

SECTION C MARKS 10 EACH

- VI What is void* pointer? What is its use?
- VII What is operator overloading? Explain binary operator overloading.
- VIII What is inheritance? How it is implemented? Distinguish between public and private inheritance.
- IX What are virtual functions and pure virtual functions? Where are they used. Explain.