2007-PUNJAB TECHNICAL UNIVERSITY
B.TECH III SEMESTER DEGREE EXAMINATION
PROGRAMMING LANGUAGE IN C++
(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

(a) What do you mean by inheritance ?

(b) Define a pointer.

(c) Define a virus and list its types.

(d) Define the term data hiding and Data abstruction.

(e) What is an array ? How does it differs from the ordinary variable ?

(f) What are 'Nested for' loops ?

(g) Differentiate between Interpreater and Compiler
.
(h) What are keywords ?

(i) What do you mean by compaired Data Structures ?

(j) Define the term Dynamic binding.

SECTION B MARKS 5 EACH

2. What is the difference between direct and indirect base class ? Expalin them with examples.

3. Write a program in C++ to sort out a set of names in the Alphabetical order using pointer Technique.

4. How are arrays usually processed in C++ ? Can entire arrays be proessed with single instructions, without using repetition ?

5. Write a program in C++ to find the number of vowels in each word of a given text using a pointer - "PUNJAB TECHNICAL UNIVERSITY ".

6. Write a program to display all the odd numbers between 1 and 100 using do-while loop.

SECTION C MARKS 10 EACH

7. (a) Write a program to display the entered number in reverse order.
(b) What are breaking control statements ?

8. Explain the following :

(a) Windows application with MFC
(b) Active X Controls
(c) OLE

9. (a) Write differences between C and C++.
(b) Recursion Vs. Iteration.