CC-16

BACHELOR IN COMPUTER APPLICATIONS

00829

Term-End Examination

June, 2011

CC-16 : INTRODUCTION TO C++

Time : 2 hours *Maximum Marks : 75*

Note : *Question number 1 is compulsory. Answer any three questions from the rest. Use C++ wherever necessary.*

1. (a) Write a program to swap the values of two integer variables. **10**

   (b) What is the function of a Constructor ? Give an example of Constructor. What is the function of a Destructor ? Give an example of Destructor. **10**

   (c) What is a Virtual Function ? How does it differ from a Pure Virtual Function ? Also, give an example of a Pure Virtual Function. **10**

2. (a) Write a program that accepts two strings T1 and T2 as input. The program should find the starting position of right most occurrence of T2 in T1 and print the position to the standard output. **10**

   (b) List any five operators of C++ that can be overloaded. **5**

3. (a) Write a program that accepts a file as input **10** and prints the number of lines in it.

    (b) What is meant by abstraction ? Does C++ **5** support it. Justify your answer.

4. (a) Write a program for the multiplication of **10** two matrices. Overload the operator '*'.

    (b) List the differénces between *cin* and *scanf* **5** statements.

5. (a) Explain any two exceptions supported by **7** C++.

    (b) What are templates ? What are their **8** advantages ?