CC-16

BACHELOR IN COMPUTER APPLICATIONS

Term-End Examination

December, 2010

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 for the addition of two matrices. **10**

   (b) Explain at least one way of deriving a class from another class. **10**

   (c) Write a program that accepts a string as input and prints the words in it in the form of list . Each word should be printed on a different line and in the same order as they appear in the string. **10**

2. (a) Write a program for the addition of two polynomials. Overload operator ' + '. **10**

   (b) Write the syntax for defining an array of objects. Also, give an example. **5**

3. (a) List the differences between a Macro and an Inline function. 5

(b) List the differences between procedure oriented programming and object oriented programming. 5

(c) List the differences between cout and print-f statements. 5

4. (a) Write a program that accepts enrollment number as input and prints the Grade Card of the student. Make assumptions, wherever necessary. 10

(b) Explain the function of : : operator in C + +. Also, give an example. 5

5. (a) Explain the process of handling exceptions in C + +. 7

(b) Write a function temptate for sorting a list of elements. 8

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