

EASTERN UNIVERSITY, SRI LANKA
FIRST EXTERNAL EXAMINATION IN SCIENCE 2002/03
SECOND SEMESTER (September, 2005)

EXCS153 – Practical Work on EXCS104

Answer All Questions

Time Allowed: 2 Hours

Q1

- (a) Construct a class named **Student** consisting of student's *identification number* (ID), *five marks*, and *total number of marks entered*.

The constructor for this class should initialize all student data members to zero. Include member functions to do the following tasks:

- to enter a student's ID number
- to enter a single test mark and update the total number of marks entered.
- to compute an average mark and display the student ID followed by the average mark.

Write a C++ main program to test the above tasks. Your program should declare two objects of type **Student** and accept and display data for the two objects to verify operation of the member functions.

Save your work in the file name "**Student**" on your floppy disk.

[to be continued...]

[...continuation]

(b)

The data members of the class **BankCustomer** consist of the following:

name, account number, account type, date of birth, balance.

Define this class with appropriate member functions. Include functions to overload stream operators for reading and displaying the object of the class **BankCustomer**. Implement the member functions and write a program to test your class implementation.

Save your work in the file name "**BankCustomer**"