

THE OPEN UNIVERSITY OF SRI LANKA  
B.Sc. DEGREE PROGRAMME: LEVEL 05  
DEPT. OF MATHEMATICS AND COMPUTER SCIENCE  
CLOSED BOOK TEST (CBT): 2011/2012  
CSU 3279: OBJECT ORIENTED PROGRAMMING  
DURATION: ONE AND HALF HOURS (1 ½ HOURS)



Answer ALL questions.

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Date: 06<sup>th</sup> October 2011

Time: 4.00pm - 5.30pm

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- 1)
- a) Briefly explain four storage classes in C.
  - b) Explain each of the following terms and give an example.
    - i) Inline function.
    - ii) Structure.
  - c) Explain the difference between “*reference variable*” and “*pointer variable*”.
- 2)
- a) Explain the difference between “*Data Abstraction*” and “*Abstract Data Type*”.
  - b) Briefly explain the three basic concepts underlining Object Oriented Programming (OOP).
  - c) “*In an object, encapsulated data members are global to object methods and local to object*”. Discuss the statement.
- 3) Write a C++ code (use OOP approach) to implement the following class.

BankAccount
Account Number
Account Holder's Name
Current Balance
GetBalance( )
Deposit( )
Withdraw( )