

MCA (Revised)
Term-End Practical Examination
December, 2010

02221

**MCSL-036 : LABORATORY COURSE (FOR OOAD,
SOFTWARE ENGINEERING AND ACCOUNTANCY AND
FINANCIAL MANAGEMENT)**

*Time allowed : 3 hours**Maximum Marks : 100*

Note : *There are three sections in this paper. Each section is for one hour, including the viva-voce. Attempt only that part(s) in which you are not successful as yet. Answer all the questions in each section. Section - A and Section - B carry 25 marks for the problem, and viva-voce is for 5 marks, respectively. Section - C carries 30 marks for the problem, and viva-voce for 10 marks. Assumptions can be made wherever necessary.*

SECTION - A

(Object Oriented Analysis and Design)

Xpaize. com wants to computerize its sale, purchase and booking of shares, through online mode. A user enters his/her user name and password (assigned at the time of registration and repressed every 15 days). User chooses one of the above actions and finally receives the transaction/account details on the action chosen.

Perform the following actions :

- (a) Draw the use cases define all the classes and draw an object diagram 15
- (b) Draw the sequences and collaboration diagram 10

SECTION - B
(Software Engineering)

1. Perform the following tasks for the problem defined in section - A :
 - (a) Develop SRS. 7
 - (b) Draw DFDs of level 0 and level 1 8
 - (c) Draw an E -R diagram, its related tables and also show integrity constraints. 10

SECTION - C
(Accountancy and Financial Management)

1. Post the following transactions of a book shop to prepare the journal, ledger and trial balance. 30

October 2010	Transactions	Amount Rs.
4	Started the business with cash	3,00,000
8	Deposited in the bank	1,00,000
12	Book self purchased	1,00,000
16	Purchased books	1,50,000
20	Sold books on credits	1,00,000
24	Sold books for cash	1,00,000
27	paid rent	40,000
29	paid salary	30,000
30	paid to suppliers	90,000