

MCA (Revised)

Term-End Practical Examination

December, 2008

00535

**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

1. A chemist shop wants to automate its inventory and sales. It records all its items, quantities that a customer purchases. It also maintains a record of doctors and suppliers of medicines. It maintains records of losses due to expiry date and spoilage.

The system should generate daily and weekly reports about to status of sales and inventory.

Perform the following tasks :

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| (i) | Draw the use cases, define all the classes and draw an object diagram. | 15 |
| (ii) | Draw the sequences and collaboration diagram. | 10 |

SECTION C : Accountancy and Financial Management

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

October 2008	Transactions	Rs.
5	Started the business with cash	3,00,000
10	Deposited in the bank	1,00,000
15	Furniture items for cash	50,000
20	Purchased goods for cash	1,00,000
25	Sold goods for cash	75,000
26	Sold goods on credit	20,000
28	Paid salary	15,000
30	Paid rent	25,000

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