SET - 3

MCA (Revised)

Term-End Practical Examination

02295

June, 2011

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.

SECTION-A

(OBJECT ORIENTED ANALYSIS AND DESIGN)

1.   A magazine is published weekly and is sent by post to its subscribers. Two months before the expiry of subcscription, a reminder is sent to the subscribers. If subscription is not received within a month, another reminder is sent. If renewal subscription is not received upto two weeks before the expiry of the subscription, the subscriber's name is removed from the mailing list and the subscriber is informed.

Perform the following tasks :

(a)   Draw the use case, define all the classes and draw an object diagram.   **15**

(b)   Draw the sequences and collaborative diagram.   **10**

SECTION-B

(SOFTWARE ENGINEERING)

1.   Perform the following tasks for the problem defined in the previous section :

   (a)   Draw DFDs of level 0 and level 1.   7

   (b)   Write pseudocode for at least 2 processes defined at level 1.   8

   (c)   Draw an E - R diagram, its related tables showing its integrity constraints.   10

(ACCOUNTANCY AND FINANCIAL MANAGEMENT)

30

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

Feb - 2011	Transaction	Amount
3	Started the business with cash	1,50,000
5	Deposited in the bank	60,000
7	Purchased furniture	15,000
10	Purchased Almirah + TV	60,000
15	Purchased books on credits	80,000
20	Purchased books + pens for cash	20,000
22	Sold books for cash	75,000
25	Sold books on credit	10,000
26	Paid rent	20,000
28	Paid salary	15,000