SET - 2

MCA (Revised)

00475

Term-End Practical Examination

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. Answer **all** the questions in each section.

SECTION-A

(OOAD)

1. Admission procedure in a university is as follows : An advertisement is issued giving essential qualifications for the course, the last date for receipt of application, and the fee to be enclosed with the application which is verified by the dealing clerk. The application forms are sent to the concerned academic department. The department checks the application in detail and decides the applicants to be admitted, rejected or to be kept in waiting list. Appropriate letters are sent to the Registrar's office which intimates the applicant.

    Perform the following task :

    (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 pseudocodes for at least 2 processes defined at level 1.   **8**

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

SECTION-C

(ACCOUNTANCY AND FINANCIAL MANAGEMENT)

1. Post the following transaction of a flower shop to prepare the journal   **30**
ledger and trial balance.

April.2.2011	Transaction	Amount
3	Started the business with cash	1,00,000
5	Deposited in the bank	15,000
9	Purchased furniture	25,000
15	Purchased flowers on cash	40,000
18	Purchased flowers on credits	30,000
20	Sold flowers on cash	50,000
25	Paid Salary	5,000
30	Paid rent	8,000