

MCA (Revised)
Term-End Practical Examination
June, 2007

**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. Draw the use cases and define all the classes for a tourist information system. Make necessary assumptions. 15
2. Draw the sequence and collaboration diagram for the system given in question 1 above. 10

SECTION B : Software Engineering

- 1.** Develop the SRS for the tourist information system. Make necessary assumptions. 7
- 2.** Draw the following diagram and tables for a tourist information system :
 - (a) DFDs upto two levels 9
 - (b) ER diagrams and related tables 9

SECTION C : Accountancy and Financial Management

1. Post the following transactions of a start-up company to prepare the journal, ledger and trial balance using Tally (or for any other similar s/w).

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2007 January	Transactions	Rs.
1	Started business with cash	3,000
2	Deposited in the bank	2,000
3	Office equipment purchased for cash	1,500
4	Purchased goods for cash	2,500
10	Old furniture sold for cash	1,500
11	Purchased goods from a shop (on credit)	2,300
15	Paid taxes in cash	1,800
16	Goods sold to Z & Co for cash	6,300
24	Goods sold on credit to Mr. A	3,400
28	Received cash from Mr. A	6,400
30	Bank interest credited	2,000
30	Paid rent	2,800
30	Paid salary	2,800

