

## MCA (Revised)

## Term-End Practical Examination

01076

December, 2009

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

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

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**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.*

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**SECTION - A : Object Oriented Analysis and Design**

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Perform the following tasks :

- (a) Draw the use cases and define all the classes for the problems stated above. **15**
- (b) Draw the sequences and collaboration diagrams. **10**

## SECTION - B : Software Engineering

1. Perform the following tasks for the problem stated in section - A :
  - (a) Develop SRS 7
  - (b) Draw DFDs upto two levels 9
  - (c) Draw an ER diagram and related tables with integrity constraints. 9

## SECTION - C : Accountancy and Financial Management

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

March 2009	Transaction	Rs.
5	Started the business with cash	7,00,000
10	Deposited in the bank	90,000
15	Furniture items purchased for cash	70,000
17	Purchased goods on credits	40,000
20	Goods sold on credits	36,000
25	Goods sold for cash	55,000
26	Received cash	35,000
28	Paid rent	25,000
31	Paid salary	90,000

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