

## MCA (Revised)

## Term-End Practical Examination

03526

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**

For getting the final marksheet and degree, students have to fill up the mark-sheet issue form, include issuing charges as well as No Objection Certificates from the different departments (Library, Lab etc.). The clerk in the Registrar's office checks the received forms to see if all documents and fee are enclosed and sends the mark-sheet and certificate to the dispatch department for dispatching it to the candidate.

Perform the following tasks :

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

## **SECTION - B : Software Engineering**

- 1.** Perform the following tasks for the problems 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

2009 Feb	Transactions	Rs.
5	Started the business with cash	3,00,000
10	Deposited in the bank	50,000
15	Furniture item purchased for cash	60,000
20	Purchased goods for cash	40,000
22	Goods sold for cash	35,000
24	Goods sold on credit	60,000
26	Received cash	30,000
27	Paid rent	40,000
28	Paid salary	80,000

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