

MCA (Revised)
Term-End Practical Examination
December, 2008

**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. Dr. X is starting a medical practice. He wants a computerized system to manage the appointments, maintain patients' records and generate reports.

When a patient calls for an appointment the receptionist will check the schedule and fixes the appointment at the earliest date. The receptionist will enter the appointment with patient's name, purpose of appointment and the date of appointment agreed upon.

The system will verify the patients name and supply the necessary details from the patients record (previous record if any).

The system should also print weekly schedule.

Perform the following tasks :

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| (i) Draw the use cases, identify all the classes and draw an object diagram. | 15 |
| (ii) Draw the sequences and collaboration diagram. | 10 |

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SECTION C : Accountancy and Financial Management

1. Post the following transactions of a hospital to prepare the journal and trial balance. 30

September 2008	Transactions	Rs.
4	Started the hospital business with cash	6,00,000
8	Deposited in the bank	2,00,000
12	Equipment purchased for hospital	3,00,000
16	Drugs purchased for hospital	50,000
20	Received amount from patient	1,00,000
25	Paid salary	1,00,000
30	Paid rent	70,000

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