

**MASTER OF COMPUTER
APPLICATIONS (MCA) (REVISED)**
Term-End Practical Examination
June, 2025

MCSL-036(Set-II) : LAB COURSE (FOR OOAD, SOFTWARE ENGINEERING, ACCOUNTANCY AND FINANCIAL MANAGEMENT)

Time : 3 Hours *Maximum Marks : 100*

Note : (i) There are *three* Sections in this paper.

(ii) Each Section is of one hour duration including the viva-voce.

(iii) Attempt only that Section(s) in which you are not yet successful.

(iv) Answer all the questions in each Section.

(v) Section A and Section B carry 25 marks each for the problem(s) and 5 marks for viva-voce. Section C carries 30 marks for problem(s) and 10 marks for viva-voce.

Section—A**(Object Oriented Analysis and Design)**

1. A online food delivery system provides features to view the restaurants in your area. This system provides facility to choose the restaurant, explore menu, place order, change order within 5 minutes of placing order, cancel order within 5 minutes of placing it.

Make online payment or choose option of cash on delivery.

You are required to do the following for above mentioned system. Make necessary assumptions.

(a) Draw usecase diagram.	10
(b) Draw object diagram.	10
(c) Draw deployment diagram.	5

Section—B**(Software Engineering)**

2. Perform the following activities for the problem given in Q. 1 in Section A. Make necessary assumptions.

(a) Draw the DFDs of Level 0 and Level 1 for the system. 7

(b) Write pseudocodes for two processes of Level 1 of DFDs. 8

(c) Draw E-R diagram for the system and convert the E-R diagram into relational tables showing the keys and constraints. 10

Section—C

(Accountancy and Financial Management)

3. Post the following transactions of a Book Publishing company to prepare the Journal, Ledger and Trial Balance : 30

September 2023	Transactions	Amount (in INR)
1st	Received payment from a customer	5,00,000
5th	Deposited in bank	2,00,000

10th	Purchased papers	6,00,000
15th	Received payment from a customer	8,00,000
28th	Paid salary	5,00,000
28th	Paid rent	2,00,000

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