

No. of Printed Pages : 4    **MCSL-036(Set-II)**

**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*

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**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.*

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**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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