MASTER OF COMPUTER APPLICATIONS (Revised) (MCA)

01659

Term-End Practical Examination June, 2016

MCSL-036(P)/S3: 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 for one hour duration including the viva-voce.	
	((iii)	Attempt only that part(s) in which you are not successful as yet.	
	((iv)	Answer all the questions in each section.	
	((v)	The remaining marks are for viva-voce.	
		(vi)	Viva-voce marks for Sections A, B and C are 5, 5 and 10 respectively.	
			SECTION A	
			(Object Oriented Analysis and Design)	
ļ	(a) (b)	Input	ay be allowed to do the following operations: the amount required to be withdrawn ystem should not allow to withdraw the amount more than the input int	
	(c)	Witho	draw the required amount	
	(d)	amou	dition to the money, the user is given a receipt showing the date, nt withdrawn, account number and account balance after the Irawal	
	(e)	Displ	ay the account balance on the screen	
	(f)	Quit :	: The card is ejected	
		Perfo	rm the following tasks:	
		(i)	Draw the Use Case Diagram.	5
		(ii)	Define all the classes and draw a Class Diagram.	10
		(iii)	Draw the Sequence and Collaboration Diagram.	10
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SECTION B

(Software Engineering)

2.	Perform the following tasks for the problem defined in Section A:					
	(a)	Draw the DFDs at level 0 and level 1.	7			

(b) Pick up any two processes and write logic (pseudocode) for these processes.

(c) Draw an E-R diagram and its related tables with the integrity constraints. 10

SECTION C

(Accountancy and Financial Management)

3. Post the following transactions of a chemist shop to prepare the Journal, Ledger and the Trial Balance:

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March 2016	Transactions	Amount (INR)	
$5^{ m th}$	Started the business with cash	3,00,000	
$7^{ m th}$	Deposited in the bank	1,00,000	
10 th	Purchased drugs on credit	1,00,000	
15 th	Purchased furniture and computer for cash	70,000	
20 th	Sold drugs for cash	60,000	
$25^{ m th}$	Sold drugs on credit	30,000	
28 th	Paid salary	25,000	
30 th	Paid rent	20,000	