## Fifth Semester B. E. (C.T.) (C.B.S.) Examination

## OBJECT ORIENTED MODELING

		ANTALED MODELING
ime	: T	hree Hours 1 [Max. Marks : 80
N.	В.	(2) Solve Six questions as follows ; Que.No.1 OR Que.No.2 Que.No.3 OR Que.No.4
		Que No.5 OR Que No.6 Que No.7 OR Que No.8 Que No.9 OR Que No.10 Que No.11 OR Que No.12
	, EF	<ul> <li>(3) Due credit will be given to neatness and adequate dimensions.</li> <li>(4) Illustrate the answers with necessary figures/drawings wherever necessary.</li> </ul>
	3	(5) Assume suitable data wherever necessary.
•	(a)	Define software architecture. Explain the 4+1 view model of system architecture. 6
	(b)	
	(c)	Briefly explain the extensibility mechanism in UML.  4  OR
í.	(a)	What are the principles of modeling ? 4
	<b>(b)</b>	Explain the UML approach to SDLC. 6
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	(c)	How is generalization / specialization on contrasted
	7	with more code reuse? State Liskov's substitution principle.
3.	(a)	What are the contents in class diagram? Show all the contents in class diagram in student department
		relationship.
	(b)	How do you inter-relate interfaces types and roles?
		OR
4.	(a)	Enumerate steps to model logical data base schema.
	2005	Write short note on (Any Two) :-
	(b)	Winn in collabration diagram.
p- 1	e .	and asymphonous message.
		6
		(iii) Object diagram.
5.	(a)	What are the contents of use case diagram?  Lixplain in brief its modeling techniques.
	(b)	Draw the activity diagram for student login registration system.
		OR
6.	(a)	Enumerate the steps in modeling timing constraints.  Illustrate with a UML diagram and explain. 7
		Write short note on Interprocess communication.
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7.	(a)	Explain in brief about component diagram. 6
	(b)	What are the uses of package in component diagram?
		OR
8.	(a)	Enumerate any six artifacts. 6
	(ь)	Draw deployment diagram for any web based application.
9.	(a)	Explain in brief use case driven development. 7
	<b>(</b> b)	How to create the analysis model from the use cases ?
		OR
10.	(a)	What is the need of use cases ? 6
ī	(b)	How to test the use cases for any system ? 7
11.	(a)	Explain the need of architecture for any software system.
	(b)	Explain architecture view of the design model of the ATM system.
		OR
12.	(a)	Why do we need the interactive and incremental development approach for software system? 6
	(b)	Draw the use case diagram for the library system and explain the relationships.