B.E.(Computer Technology) Semester Fifth (C.B.S.)

Object Oriented Modeling

	ges : 2	2 ee Hours	KNT/KW/16/ ★ 0 6 6 1 ★ Max. Mark	
	Notes	s: 1. 2.	All questions carry marks as indicated. Solve Question 1 OR Questions No. 2.	
		3.	Solve Question 3 OR Questions No. 4.	
		4.	Solve Question 5 OR Questions No. 6.	
		5.	Solve Question 7 OR Questions No. 8.	
		6.	Solve Question 9 OR Questions No. 10.	
		7.	Solve Question 11 OR Questions No. 12.	
(0)		8.	Illustrate your answers wherever necessary with the help of neat sketches.	
10		9.	Due credit will be given to neatness and adequate dimensions.)
1.	a)	What is	meant by object - orientation? Discuss the various stages of OMT.	7
	b)	Explain	abstraction, encapsulation and Inodularity.	6
			OR	
2.	a)	Explain	architecture of UML in detail.	7
	b)	Differer	ntiate Aggregation and Generalization.	3
	c)	Explain	various principles of modelling.	3
3.	a)		an object diagram for following object classes, with association names where	8
	U		and you may add additional object classes: classes: school, play - ground, principal, school-board, class-room, book, student,	(U)
		•	rest-room, computer, desk, chair, ruler, door, swing.	
	b)	Write sh	nort notes on abstract classes and concrete classes.	6
			OR	
4.	a)	Explain	call back mechanism in detail.	6
	b)	Prepare	a class diagram for library management system.	8
5.	a)	Define ı	use cases. Draw use case diagram for university course registration system.	7
F	b)	Define 1	process and Thread. Explain different thread models.	6
15))(2	OR)(0

6. a) What are different components of E-R diagram.

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(b)	Write short notes on any three.
1)) ~	i) Time diagram.
		ii) Activity diagram.
		iii) Package diagram.
		iv) Sequence diagram.
7	7. a)	Describe various parts of component diagram.
	b)	Write a procedure for deployment diagrams.
		OR
8	03	Describe Architectural modeling in detail.
(2)	a)	Explain with example:-
		i) Use case driven.
		ii) Architecture centric.
		iii) Iterative and Incremental.
		OR
1	(0. a)	Describe testing the use cases in detail.
	b)	Explain the concept of implementation to realize the use cases. 7
1	1. a)	What is the need of architecture and use cases?
	b)	Explain architecture view of the design model of Railway reservation system.
		OR
1	2.	Write in detail Unified library application.

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