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

Object Oriented Modeling

P. Pages: 2 Time: Three Hours			NKT/KS/17/7344 Max. Marks : 80			
	Notes: 1.		All questions carry marks as indicated.			
		2.	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	7	8.	Due credit will be given to neatness and adequate dimensions.			
)((a)	Explain	architecture of UML in detail.	7		
	b)	Explain example	the terms generalization as extension and generalization as restriction with	7		
			OR			
2.	a)	Explain	Association and types of association in detail.	6		
	b)	Describe	e various principles of modeling.	4		
	c)	Explain	the concept of information hiding with example.	4		
3.	a)	Draw a	class diagram for University course registration system.	6		
	b)	State an	d discuss various stages of OMT.	7		
			OR			
4.	a)	How po	lymorphism is achieved in collaboration diagram? Explain with suitable example.	6		
	b)	What is	the use of self in messages.	3		
	c)	Explain	callback mechanism in detail.	4		
5.	a)	Draw a	nested state diagram for a Pepsi-vending machine in detail.	7		
	b)	Give an	event Trace diagram for Railway Reservation system.	6		
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Define Process and Thread.

1	b)	Write short notes on	6
9);	2)	i) Package diagram. ii) Use cases.	
	c)	What are different symbols used in DFD. Draw a DFD bor calculating volume of cylinder and sphere.	5
7.	a)	What are the various Architectural Modeling techniques are available? Explain with example.	7
	b)	What is component diagram? What are its various components.	6
		OR	
8.		Draw and explain deployment diagram for ATM machine.	13
9.	a)	Explain how architecture centric processes are used to guide use cases.	8
)((b)	Describe unified process model in detail. OR	6
		202	
10.	a)	Why we need iterative and incremental development approach for s/w system.	6
	b)	Explain in detail steps of object Design.	5
	c)	How use cases are test? Explain.	3
11.	a)	What is the need of architecture? Explain with example.	6
	b)	Explain architecture of Architecture centric processes in detail.	7
	(()	OR	K
12.	a)	Explain various steps to architecture.	4
	b)	Write a detailed description about unified Library application.	9
