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Fifth Semester B.E. Degree Examination, Dec.2017/Jan.2018			
Object Oriented Modeling and Design			
Time: 3 hrs. Max. Marks: 80			
Note: Answer any FIVE full questions, choosing ONE full question from each module.			
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		Module-1	
1	a.	What is object-oriented model? Explain the important characteristics of object	
	1.	approach. What are links and associations? Write and explain UML notation for links and a	(08 Marks)
	b.	with an example.	(08 Marks)
		with all example.	(001111111)
		OR W	
2	a.	Define reification. Explain it with a diagram. What is aggregation and composition? Give their respective UML notation	(08 Marks)
	b.	example.	(08 Marks)
		Module-2	(00 M l)
3	a.	Explain briefly detailed object-oriented requirements definitions.	(08 Marks) (08 Marks)
	b.	Explain the notation used in use case diagram with example.	(00 Marks)
		OR O	
4	a.	Illustrate the system sequence with diagrams.	(08 Marks)
	b.	List the propose of system diagrams with SSD notations.	(08 Marks)
		Module-3	
5	a.	Explain the different stages of software development process.	(08 Marks)
	b.	Explain briefly the system conception for an automated tiller machine.	(08 Marks)
		OR	
6	a.	Explain the various steps to construct a domain class model.	(08 Marks)
	b.	Briefly explain the different concepts for iterating the analysis.	(08 Marks)
		Module-4	
7	a.	Briefly explain the steps involved in design the class design.	(08 Marks)
,	b.	Illustrate the concept of bridging the gap to design.	(08 Marks)
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0		OR Describe the detailed steps of design by use case realization.	(98 Marks)
8	a. b.	List the primary responsibilities of view layer, domain layer and data access layer	
	υ.		1/2
	Free	Module-5 Module-5 Proposition in brief the four essential elements of nattern	(08 Marks)
9	a.	What is design pattern? Explain in brief the four essential elements of pattern. Describe in brief in design patter using a consistent format.	(08 Marks)
	b.	Describe in other in design patter asing a combined to	

OR

a. Explain the benefits and liabilities of abstract factory pattern.b. Explain with diagram the object adapter class. (08 Marks) 10 (08 Marks)