(10 Marks)

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Seventh Semester B.E. Degree Examination, June/July 2019 Object Oriented Modeling and Design

Max. Marks:100

Note: Answer any FIVE full questions, selecting

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		at least TWO questions from each part.	
		PART - A	
1	a.	What is object oriented development? List and explain object oriented themes.	(10 Marks)
	b.	Define the following terms with examples:	
		i) Links and associations	
		ii) Multiplicity	
		iii) Association end names	
		iv) Ordering	
		v) Bag and sequence	(10 Marks)
2	-	What is an association? Explain aggregation yearing associations and aggregation	ion versus
2	a.	What is an aggregation? Explain aggregation versus associations and aggregation.	(10 Marks)
	b.	Explain the following terms with an examples:	(10 Marks)
	υ.	i) Meta data ii) Derived data iii) Reification	(06 Marks)
	c.	Draw the state diagram for a telephone line.	(04 Marks)
	٠.	Dian de suite d'agrant les des la company de	,
3	a.	What do you mean by concurrency? Explain aggregation concurrency with a neat	diagram.
			(08 Marks)
	b.	What is an interaction model? Explain with a neat diagram sequence diagram f	
		stock broker.	(06 Marks)
	c.	Explain the following terms with examples: i) Include relationship ii) Extend relationship iii) Generalization	(06 Morks)
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4	a.	List and explain the stages involved in software development.	(10 Marks)
-	b.	List the steps to construct a domain class model and explain them briefly.	(10 Marks)
	0.	Dist the steps to constitute a domain class mean and	
		PART - B	200
5	a.	Explain the steps followed in constructing application interaction model.	(10 Marks)
	b.	With a neat diagram explain the architecture of ATM system.	(07 Marks)
	c.	Name the three kinds of controls for the external event in a software system.	(03 Marks)
	10.7	Will a land to the land to design autimization	(10 Maulta)
6	a.	What is refactoring? Explain the tasks involved in design optimization. What are the steps involved in improving the organization of a class design? Explain the tasks involved in design optimization.	(10 Marks)
	b.	briefly.	(10 Marks)
		orieny.	(10 1.1)
7	a.	What is a pattern? Lists the properties of pattern.	(10 Marks)
20	b.	With a neat diagram, explain the publisher-subscriber design pattern with	necessary
		implementation steps.	(10 Marks)
		Explain the structure and implementation steps of view handler pattern with a near	
8	a.	Explain the structure and implementation steps of view handler pattern with a near	t diagram.
			(10 Marks)

b. With a neat diagram explain the counted pointer idiom.