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Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019 Object Oriented Modeling and Design

Time: 3 hrs.

Max. Marks:100

Note: Answer FIVE full questions, selecting atleast TWO questions from each part.

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		PART – A			
		93			
1	a.	Explain object oriented development, object oriented methodology and obje	ct oriented		
		themes.	(10 Marks)		
	b.	Explain modeling concept. Write the class model of a windowing system.	(10 Marks)		
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2	a.	Explain association and aggregation with examples.	(10 Marks)		
4	b.	What is an event? Explain the different types of events with examples.	(10 Marks)		
	υ.	what is an event? Explain the different types of events with examples.	(10 Marks)		
2		What is a second of the second	(10 Mayles)		
3	a.	What is concurrency? Explain aggregation concurrency. Draw relevant figure.	(10 Marks)		
	b.	Explain use case and sequence model with examples.	(10 Marks)		
4	a.	Explain software development stages in detail.	(10 Marks) (10 Marks)		
	b.	Describe the stages in consetercting a domain state model.			
		PART – B			
5	a.	With a neat block diagram, explain the steps followed in constructing applic	cation class		
		model.	(10 Marks)		
	b.	Explain the steps involved in system design.	(10 Marks)		
6	a.	Explain with an example, the class design what are the steps involved in designin	g.		
U	a.	Explain with an example, the class decign what are the step as	(10 Marks)		
	b.	Explain:			
	U.	i) Forward engineering			
		ii) Reverse engineering			

- ii) Reverse engineering
- iii) Wrapping.

(10 Marks)

- a. What is a pattern? Explain the model view controller design for software architecture with OMI diagram. (10 Marks)
 - b. Explain three categories of patterns.

(10 Marks)

- **8** Write short notes on:
 - a. UML
 - b. State model
 - c. Association ends
 - d. Packages.

(20 Marks)

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

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