13MCA51

Fifth Semester MCA Degree Examination, Dec.2019/Jan.2020 Object Oriented Modeling and Design Patterns

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

1	a.	What is Object Orientation? Explain briefly the stages involved in OO Methodol	logy.
	и.	What is edject established a first section of the s	(10 Marks)
	b.	Explain with neat diagram of Models in OOMD.	(10 Marks)
2	a.	Explain with a neat diagram Ternary association and links.	(08 Marks)
_	b.	With a neat diagram, explain class model of a windowing system.	(12 Marks)
	0.	The state of the s	•
3	a.	Explain aggregation concurrency within an object with an example each.	(10 Marks)
5	b.	Explain use case diagram for a vending machine.	(10 Marks)
	υ.	Explain are case angular to a state of	
1	a.	Explain sequence diagram for a session with an online stock broker.	(10 Marks)
7	b.	Explain with suitable example how activity diagram will show client control by	sending and
	υ.	receiving event.	(10 Marks)
		receiving event.	
5	a.	Explain development stages in process.	(10 Marks)
3	b.	Explain different types of Development life cycle.	(10 Marks)
	0.	Explain enteres types to 1	
6	a.	Explain any 3 Domain class model.	(10 Marks)
U	b.	Explain any 3 Domain state model.	(10 Marks)
	0.	Explain any 5 Demand 1995	
7	a.	Explain with suitable diagram bridge in class design.	(10 Marks)
,	b.	Explain with suitable diagram strategy in class design.	(10 Marks)
	0.	Explain was said to	
8		Short notes on:	
O	a.	Package	
	b.		•
	c.		
	d.		(20 Marks)
	4.		

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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.