(3 Hours)

Q.P. Code: 814702

[Total Marks: 80

	I	N.B.: (1) Question number 1 is compulsory.	
		(2) Attempt any three from the remaining.	3
		(3) Assume suitable data.	7,0%
			400
1.	a)	Design Domain-Specific Software Architecture (DSSA) for an Entertainment	20
	,	System (Amusement park etc.). Assume suitable entities, attributes etc.	20
		Domain Model must consists of following:	
		a) Domain Dictionary and Information Model	
		b) Feature Model and Operational Model.	
2.	a)	What types of applications are applicable for the following styles and give	10
		examples of each	10
		i. Event based,	
		ii. Pipe and filter	
		iii. Layered	
		iv. Blackboard	
		v. Mobile code	
	b)	What is a mapping problem in implementation? Differentiate between one way and round trip mapping.	10
3.	3)	Discuss service oriented architecture (SOA) and web services.	10
	b)		10
		Dapining and to the state of th	
4.	a)	Discuss various analysis goals with an example.	5
	b)	Explain MVC Architectural pattern and give an example of an application where it is used.	10
	c)	Explain simulation based software.	5
5.	a)	Explain with an example software system mobility and Architecture.	10
	b)	Explain with the help of suitable diagram architectural trade off analysis method (ATAM).	10
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- 6. Write a short note (Any 2):-
 - a) Ambiguity, Accuracy and precision in the characterization of Architectural Models.
 - b) Different Dimensions of dependability.
 - c) XTEAM

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