Total No.	of Questions	: 6]
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SEAT No.:	
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P4343

[4860]-1311

[Total No. of Pages :2

M.E. (Computer Engineering) SOFTWARE DESIGNANDARCHITECTURE (2013 Credit Pattern)(Semester - II)

Time	: 3 H	[Max. Marks : 50
	uction 1) 2) 3) 4)	ns to the candidates: Solve question number 1 or 2, 3 or 4 and 5 or 6. Neat diagram must be drawn whenever necessary. Figures to the right indicate full marks. Assume suitable data, if necessary.
Q1)	a)	Write in short the applicability, structure and implementation of:- i) Abstract factory. ii) Flyweight pattern.
	b)	Describe the use of design patterns to solve design problems. [8
		OR
Q2)	a)	What are design patterns? How they are documented using a template Explain the way they are documented with examples to illustrate from Facade pattern. [8]
	b)	What is design notation? Explain with example. [8
Q 3)	a)	Explain the styles of module view - type and execution Architectur View type. [8]
	b)	What is software architecture? Why it is important? What are the different Quality Attribute scenarios? [8]
		OR
Q4)	a)	Explain styles of Component- and - connector view- type. [8
	b)	What are the concept of systematic reuse and its particular implementation using product lines? [8]

rchitecture and	What are the concepts of Data -Centered Software Architecture benefits and limitations of data- centered software are examine data- centered architecture when incorporate architectures.) a)	Q5)	
[9]	Write short notes on :-			
	i) Model Driven Architecture (MDA).			
	ii) Customer Relationship Management (CRM).			
	OR			
[9]	Explain the concepts of any three archetype patterns.		Q6)	
O 1	Describe a complete object - oriented analysis and desig discuss general design principles in the context of object - or	b)		
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