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Total No	No. of Questions : 12] SEAT No. :				
P3433	[Total	No. of Pages : 3			
	B.E.(Computer Engineering)				
	SOFTWARE ARCHITECTURE				
	(2008Course) (Semester-I)(Elective-I(d)) (4104	44)			
Time :3H	BHours!	Max. Marks : 100			
	ctions to the candidates:				
1)	Answers to the two sections should be written in separate answer	books.			
2)	From section-I, Answer(Q1 or Q2) and (Q3 or Q4) and (Q5 or Q6)				
3)	From section-II, Answer(Q7 or Q8) and (Q9 or Q10) and (Q11 or Q12)				
<i>4)</i>	·				
5) 6)	•				
0)	rissume suitable data y necessary.				
SECTION-I					
Q1) a)	What is a deployment diagram? What kind of architect scenarios does a deployment diagram depict? Show the tier web application scenario using a deployment diag Browser based client using HTTP to access static web p	following two gram Scenario:			
b)	What do you undestand by following concepts.	[9]			
	i) connectors and components				
	ii) Architectural structure modules:(decompose,classe	s)			
	OR				
Q2) a)	When and why will a software Architect choose follows choices for any system, justify with examples:	ing technology [9]			
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- ii) Visual Basic
- b) "Architectures are influenced by stake holders", Explain in detail. [9]

P.T.O.

Q3)	Explain and illustrate the following concepts (in context of quality attribute/ tactics) with examples, in brief. [16]				
	a)	Authorization versus authentication			
	b)	UNDO command in Microsoft word			
	c)	Dynamic, interactive websites			
	d)	Testability userfriendliness			
		OR			
Q4)	a)	Explain testability tactics. [8	3]		
	b)	Explain Abstract Factory pattern with intent, structure and example. [8	3]		
Q5)	a)	Define Design pattern. What are the types of design patterns? Explain is brief.	in 3]		
	b)	Give structure of Façade. Explain with real life example. [8	8]		
		OR			
<i>Q6</i>)	In co	ontext of observer pattern answer the following. [16]	6]		
	a)	How does action listener(event listener) in java work.			
	b)	What is publish subscribe			
	c)	What are roles of subject and observer?			
	d)	Give a non-software example of observer pattern.			
SECTION-II					
Q7)	a)	Explain role of middleware in 3-tier architecture.	5]		
	b)	Write note on application server.	6]		
	c)	What is socket? Enlist and explain different classes used in Java for socket programming.	or 6]		
	OR				
Q8)	a)	Explain in brief various components of J2EE.	6]		
	b)	Explain EJB components and interfaces.	5]		
	c)	Write note on XML.	5]		
[495	59]-2	08			

Q9) a)	Explain various technologies available to develop client side.	8]
b)	Explain n-tier web architecture.	8]
	OR	
<i>Q10)</i> Bri	efly describe need, role, use of following technologies. [1	6]
a)	AJAX	
b)	DOM tree	
c)	Rich Internet applications	
d)	DHTML	
Q11) a)		by 8]
b)	What is Service Oriented Architecture?	8]
	OR www.sppuonline.com	
Q12) a)		6]
b)	Consider an online DVD store application, show what concern functionality of the online web based DVD store, will you distribute presentation, business, data layers in 3 tier architecture. Make suitable assumptions about the features/scope of online DVD store.	to
c)	Explain servlet life cycle.	4]

