Total No	o. of Questions : 12] SEAT No. :	
P3706	[Total No. of	Pages :3
	B.E. (Information Technology)	
	SOFTWARE ARCHITECTURE	
	(Semester - II) (Elective - III) (2008 Pattern)	
Time: 3		erks : 100
	ions to the candidates:	
1)	Answer three Que. from Section I and three Que. from Section II.	
2)	Answer to the two sections should be written in separate answer books.	
3)	Figures to the right indicate full marks.	
4)	Make suitable assumptions wherever relevant and appropriate.	
	SECTION - I	
Q1) a)	Define the given term/concept and give examples.	[10]
	i) Software architecture	
	ii) Stakeholders in architecture.	
b)	Explain Architecture Business Cycle activities in detail.	[8]
,	OR	
Q2) a)	How the collaboration can be used to model the system of com and connectors.	ponents
b)	Explain with suitable example:	[8]
,	i) Architecture is high-level design	
	ii) Architecture is the overall structure of the system	
	iii) Behavior of each software element is part of the architectur	re
	iv) Architecture has component & connectors.	
	iv) Themicectare has component a connectors.	
Q3) a)	Explain Templates for documenting interfaces.	[8]
b)	Following concern in context of modifiability: "when is a chang and who makes it".	ge made [8]
	OR	
Q4) a)	Write short note on following:	[8]
	i) Modifiability Tactics.	

What is Quality Attributes? Explain quality attributes of web

Security Tactics.

application?

b)

P.T.O.

[8]

Q5)	a)		cribe Abstract Factory pattern with respect to intent, application a tion.	and [8]		
	b)	With	n structure explain observer pattern. Give examples of the same.	[8]		
			OR			
Q6)	a)		w observer pattern can be used to design a digital and an anal k. Explain with the structure and behavior.	log [8]		
	b)		te a short note on Model View Controller (MVC) and ication?	its [8]		
SECTION - II						
Q7)	a)	Con	npare Different architecture styles. [1	10]		
	b)	b) Explain concept of:		[8]		
		i)	Loose coupling.			
		ii)	Addressing quality attributes through multi tire architecture.			
			OR			
Q8)	a)	Explain three tire architecture with reference with to presentation, business and persistence layers. [10]				
	b)	Write short note on following:		[8]		
		i)	Coupling in XML.			
		ii)	Structure of XML.			
Q9)	a)	Com	npare and contrast EJB 2.0 EJB 3.0.	[8]		
	b)	Writ	te short note on following:	[8]		
		i)	JSP			
		ii)	JSF			
			OR			

erver ation Server example:	101			
	ro1			
example:	101			
	[8]			
ation Server				
Explain DLL Servers in detail.				
What kind of responsibilities does a web client have? How make web client more dynamic.				
OR				
Describe .NET Architecture. What is role of CLR, CLS, CTS and CI in it?				
note on following:	[8]			
web services				
Application				
	of responsibilities does a web client have? Ho lient more dynamic. OR			