2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice. Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

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USN

Eighth Semester B.E. Degree Examination, Dec.2015/Jan.2016 **Software Architecture**

Time: 3 hrs.

Max. Marks: 100

(06 Marks)

(04 Marks)

(06 Marks)

(10 Marks)

Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.

PART - A

		PART – A		
1	a.		or otherwise	
		explain 140C.	(00 5 # 1)	
	b.	Briefly explain the technical importance of software architecture. Further ela	(08 Marks)	
		fact that architecture is the vehicle for stakeholder communication.		
	c.	What is an allocation structure as applied to an allocation.	(07 Marks)	
		What is an allocation structure as applied to software architecture? Explallocation structure in practice.	ain the three	
			(05 Marks)	
2	a.	Discuss the inverients advantages 1 to 1		
_	ш.	and disadvantages and disadvantages of pipes and filter architectur		
	b.		/40 5 = 5 .	
	٠,	problem of textic. Hopose implicit invocation and nines and t	ilter style to	
		implement a solution for the same.	(10 Marks)	
3	-	William I and the second of th	•	
3	a.	The state of the last the Daris of Silen a scenario Dietinguish hotavoor		
		availability scenario and modifiability scenario.	(10 Marks)	
	b.	Explain how faults are detected and prevented.	(05 Marks)	
	c.	Write a brief note on design time tactics.		
			(05 Marks)	
4	a.	a. Discuss the guidelines involved in the implementation of pipes and filter architecture.		
			(10 N/L1)	
	b.	Write the context, problem and the solution part of blackboard architectural pattern.		
-		part of oldekoodid dicinecetulal patt	(10 Marks)	
			(10 Marks)	
		PART – B		
5	a.	What is the necessity of proxies and bridge components in a broker system? Exp	Join	
			(06 Marks)	
	b.	Explain the possible dynamic behavior of MVC pattern with suitable sketches.		
	c.	Highlight the limitations of PAC pattern.	(09 Marks)	
		a second pattern.	(05 Marks)	
6	a.	Explain in brief the components comprising the structure of microkernel	1.14	
		pattern.		
	b.	Explain the known uses of reflection pattern.	(10 Marks)	
# 5	٠.	any and the known uses of reflection pattern.	(10 Marks)	
7	a.	Briefly explain the honofite of market al.		
,	b.	Briefly explain the benefits of master slave design pattern.	(06 Marks)	
	o.	List and explain the steps to implement a whole part structure.	(08 Marks)	
	1 i	VERTICAL SEPTEM OF AVAILABLE TO A TRANSPORT OF THE PROPERTY OF		

With neat sketch, explain the typical dynamic scenario of a proxy structure.

What are the uses of architectural documentation? Bring out the concept of view as applied to architectural documentation.

b. Write a note on creating a skeletal system.

a. List the steps of ADD.