

Reg. I	No. :		
Name	n Modelle, Each grown comes awnounts:		
	Eighth Semester B.Tech. Degree Ex (2008 Schem 08.805 (2): SOFTWARE ARCHITEC	ne)	
Time:	3 Hours	enuiseie Max. Marks: 10	)(
P	PART-	A FO	
Answe	er all questions. Each question carries 4 mai	rks. The forest and misligner villand (s	
1. De	escribe the various software design levels.		
2. De	efine the following with an example:  i) Controlled variable		
	ii) Set point Se		
- iv	v) Feedback control system.	by Explain any two stora-fical squity	
3. W	rite a short note on data abstraction and obje	ect-oriented organization.	
4. M	ention the classes of notations used in descr	ribing software architecture.	

- 5. Differentiate between implementation and interaction.
- 6. Briefly discuss the observations about environments in architectural design.
- 7. List the various properties of an architectural style.
- 8. Mention the features of WRIGHT model for architectural description.
- 9. Discuss the benefits of a design vocabulary.
- 10. Write short notes on:
  - i) Configuration
- ii) Abstraction
- iii) Heterogeneity
- iv) Analysis.

(10×4=40 Marks)



## PART-B

Answer any one full question from each Module. Each question carries 20 marks.

		\$10S redoted unitarim Module - I wisoff & nationed during	
11.	a)	Describe the features of pipes and filter systems.	10
	b)	Write the context, problem and solution part of mobile Robotics system using a layered architecture.	10
		OR A-TRAS	20 20
12.	a)	Briefly explain the repository style of architecture and interpreters organization.	10
	b)	Explain how a control loop paradigm is applied to cruise control.	10
		Module – II	
13.	a)	Briefly explain how to formalize the architectural style in the context of pipe and filter architectural style.	10
	b)	Explain any two statistical analysis techniques used for analyzing design with a quantified design space.  OR	10
14.		xplain the shared information system evolution pattern in the area of data regration.	20
		under discuss the observations at III - sluboM ears in prehinectural design.	
15.	a)	Explain any one model for architectural description.	10
	b)	Explain the various design decisions in implicit invocation systems.  OR	10
16.	E	plain the model of system configuration using First-class connectors.	20
		(3×20=60 Mar	rks)