1	a.	1001	
	11	-	

(04 Marks)

(06 Marks)

USN				·	

What are the steps in ADD?

Write the uses of SA documentation.

b.

Eighth Semester B.E. Degree Examination, Dec.2014/Jan.2015 Software Architectures

Max. Marks: 100 Time: 3 hrs. Note: Answer FIVE full questions, selecting at least TWO questions from each part. PART - A What are the factors which affect the influence on software architecture? Explain ABC. (08 Marks) Explain Hybertsson's three views for software architecture. (07 Marks) b. Explain briefly the properties of a good software architecture design (05 Marks) Define architectural style. Mention any four commonly used tyles. (05 Marks) 2 a. Explain the advantages and disadvantages of pipes and filters in architectural style. b. (08 Marks) Explain the basic requirements for a mobile robot's architecture. (07 Marks) (04 Marks) What is functionality? Give examples. 3 a. (09 Marks) Explain the quality attributes scenario b. Explain how the faults are detected and prevented. (07 Marks) c. a pipe and filters and write the problems based on Explain the list of components of a. (08 Marks) blackboard problem. Discuss the steps involved in the implementation of pipes and filters architecture. (12 Marks) PART – B What is the need of proxies and bridge components in a broken ystem? Explain it. 5 What is broker architecture? Write down the steps involved in implementing distributed b. (10 Marks) broker architecture patterns. (04 Marks) What are the limitations of PAC patterns? a. Dist out and explain the components of a microkernel pattern. 📝 👊 Marks) Explain the advantages and disadvantages of a reflective architectural pattern. (106 Marks) Mention the liabilities of reflection architecture patterns. Explain the five steps implementation of master-slave pattern. a. What are the benefits and liabilities of proxy design patterns? Define proxy design pattern. (10 Marks) Draw a neat diagram and explain the evolutionary delivering life cycle model. (10 Marks) 8 a.

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.