## USN

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

Time: 3 hrs. Max. Marks: 100

Note: Answer FIVE full questions, selecting at least TWO questions from each part.

## PART - A

C.
Marks)
Marks)
Marks)
Marks)
8 Marks)
Marks)
(Mr. J.A)
4 Marks)
Marks)
7 Marks)
5 Ma 8 Ma 7 Ma 4 Ma 9 Ma

Explain the list of components of a pipe and filters and write the problems based on blackboard problem.

b. Discuss the steps involved in the implementation of pipes and filters architecture. (12 Marks)

## PART - B

5	a.	What is the need	of proxies and	bridge components	in a broker system?	Explain it.
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(06 Marks)

- What is broker architecture? Write down the steps involved in implementing distributed broker architecture patterns. (10 Marks)
- What are the limitations of PAC patterns? (04 Marks)
- a. List out and explain the components of a microkernel pattern. (10 Marks)
  - Explain the advantages and disadvantages of a reflective architectural pattern. (06 Marks)
  - Mention the liabilities of reflection architecture patterns. (04 Marks)
- Explain the five steps implementation of master-slave pattern. (10 Marks)
  - What are the benefits and liabilities of proxy design patterns? Define proxy design pattern. (10 Marks)
- 8 a. Draw a neat diagram and explain the evolutionary delivering life cycle model. (10 Marks) What are the steps in ADD? (04 Marks)
  - Write the uses of SA documentation. (06 Marks)