(10 Marks)

## 2. Any revealing of identification, appeal to evaluator and for 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.

## Fifth Semester B.E. Degree Examination, June/July 2013 Software Engineering

Time: 3 hrs.

Max. Marks: 100

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

## PART - A

1	a.	What are the attributes of a good software?	(04 Marks)
	b.	Define software engineering. Explain the different types of software products.	(06 Marks)
	c.	Explain emergent system properties with examples.	(10 Marks)
2	a.	Explain the different types of critical systems.	(06 Marks)
	b.	Explain security terminologies.	(05 Marks)
	c.	Describe rational unified process with block diagram.	(09 Marks)
3	a.	Explain the metrics for specifying non-functional requirements.	(06 Marks)
	b.	Explain requirement engineering process.	(06 Marks)
	c.	Explain the structure of the requirements document.	(08 Marks)
	100		395
4	a.	List and explain different types of system models.	(10 Marks)
	b.	What are project management activities? Explain.	(10 Marks)

## PART - B

With an example describe the repository model and give its advantages and disadvantages.

			merce - construct Porter
		. 6	(10 Marks)
	b.	Draw and explain state diagram for a typical weather station.	(10 Marks)
6	a.	Explain the principles of agile methods.	(06 Marks)
	b.	What is pair programming? Explain its advantages.	(06 Marks)
	c.	Explain Lehman's laws of program evolution dynamics.	(08 Marks)
7	a.	Briefly explain the roles in inspection process.	(06 Marks)
	b.	Explain clean-room software development.	(06 Marks)
10	c.	Explain general model of testing with the help of block diagram.	(08 Marks)
8	a.	Explain any five factors governing staff selection.	(05 Marks)
	b.	What are the factors that influence group working?	(05 Marks)

Explain cost estimation techniques.