## 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.

## Fifth Semester B.E. Degree Examination, Dec.2016/Jan.2017 Software Engineering

Time: 3 hrs.

Max. Marks:100

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

## PART – A

$\underline{PART} - \underline{A}$			
1	a. b. c.	attributes at appli soft water products.	(06 Marks)
2	a. b. c.	What are critical systems? Explain the different types of critical systems.  With block diagram, explain water fall process model. Mention the advantages of waterfall model.  Explain the requirement engineering process with diagram.	(06 Marks)
3	a. b. c.	Mention the differences between functional and non-functional requirements. Give for each.  Explain the structure of the requirements documents.  Explain the following: i) Ethnography ii) Scenarios.	(08 Marks) (06 Marks)
4	a. b. c. d.	Explain different types of system models. Differentiate between milestones and deliverables. List the activities of risk management with diagram. What are project management activities? Explain.	(06 Marks) (02 Marks) (04 Marks) (08 Marks)
_	$\underline{PART - B}$ 5 a. With an example describe the repository model and give its advantages and disadvantage (08 N		
5	а. b. c.	Draw and explain state diagram for a typical weather station.  Define control styles.	(08 Marks) (08 Marks) (04 Marks)
6	a. b.	Explain the principle of agile methods.  What is prototype? Explain the process prototype development with diagram. Madvantages of using prototype.  With a neat diagram describe the system evolution process.	(06 Marks) Mention the (08 Marks) (06 Marks)
7	a. b. c.	Explain the following: i) Unit testing ii) Integration testing Explain clean Room software development. List classes of interface errors.	(06 Marks) (08 Marks) (06 Marks)
8	a. b. c. d.		(20 Marks)