(10 Marks)

(10 Marks)

8

Fifth Semester B.E Sof

Fifth Semester B.E. Degree Examination, June/July 2019 Software Engineering

Max. Marks:100

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

BANGAL	ORE.	at least TWO questions from each part.	
		Qo*	
$\underline{PART - A}$			
1	a.	What are the attributes of a good software? Explain. Also list and explain the key	
		facing software engineering.	(07 Marks)
	b.	Explain two types of emergent properties. Give examples for emergent properties.	
	C.	Explain legacy system components with a neat diagram.	(07 Marks)
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2	a.	What are critical systems? Explain different types of critical systems. Give ex	
	1	each.	(06 Marks)
	b.	With a neat diagram, describe the water fall model of software development proce	(10 Marks)
	c.	Explain the various phases of rational unified process.	(04 Marks)
	C.	Explain the various phases of rational annies process.	(
3	a.	What are functional and non-functional requirements? Discuss the functional re	quirements
		in detail.	(08 Marks)
	b.	What are the requirements validation techniques? Explain briefly.	(06 Marks)
	c.	Explain the structure of the requirements document.	(06 Marks)
4	a.	Write short notes on: (i) Context model (ii) Object model.	(10 Marks)
	b.	Explain the risk management process with a neat sketches. Explain any one of	
		detail.	(10 Marks)
_		$\frac{PART - B}{a}$	decontores
5	a.	With an example describe the repository model and give its advantages and disa	(10 Marks)
	b.	Explain two generic control styles with examples.	(06 Marks)
	c.	Mention and define two types of design models of object oriented design.	(04 Marks)
	٠.	Workload and define two types of design medels of sojett existing assignment	
6	a.	What is extreme programming (XP)? Explain a number of practices involving	in extreme
		programming (XP).	(08 Marks)
	b.	Discuss the principles of agile methods.	(05 Marks)
	c.	Explain re-engineering process with a neat diagram.	(07 Marks)
7	a.	Explain the activities in the inspection process with a neat diagram.	(06 Marks)
	b.	Write a short notes on:	
		(i) Integration testing. CMRIT LIBRARY	
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		(iii) Performance testing.	(09 Marks)
	c.	What is path testing? Draw a flow graph for a binary search routine.	(05 Marks)

Explain factors governing staff selection.

Discuss in detail algorithmic cost models in project planning.