B.E. Computer Science & Engineering Fifth Semester CSE504 - Software Engineering

P. Pages : 1 Time : Three Hours			GUG/W/18/1609 Max. Marks : 80
	Not	 es: 1. All questions carry equal marks. 2. Due credit will be given to neatness and adequate dimensions. 3. Assume suitable data wherever necessary. 	
1.	a)	What is software? Explain the characteristics of software.	8
	b)	Explain process framework and umbrella activities with suitable diagram. OR	. 8
2.	a)	Explain waterfall model with neat diagrams. Write its drawbacks.	8
	b)	Explain with diagram the RAD process model with advantages and disadv	
3.		Write short note on any four.i) Managing Software Projectsii) Software Measurements	16
		iii) Metrics for Software Quality iv) Decomposition Technique	'S
		v) Software Project Estimation	
		OR	
4.	a)	Explain Software Reengineering process Model.	8
	b)	Difference between Reverse engineering and forward engineering.	8
5.	a)	Explain the essence of software engineering practice and the core principl	les. 8
	b)	Explain all planning practices.	8
6		OR	in datail 9
6.	a) b)	Explain system engineering and the elements of computer based systems Explain Hatley-Pirbhai Modeling of system modelling with suitable diagr	
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7.	a)	What is requirement engineering? Explain the tasks of requirement engine	•
	b)	Explain eliciting requirements in detail. OR	8
8.	a)	Explain Analysis Modeling approaches in detail.	8
	b)	Explain Design Model of Design Engineering.	8
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9.	a) b)	What do you mean by software testing? Explain the strategic issues of Te Differentiate between validation testing and verification testing.	sting. 8
	0)	One OR	0
10.	a)	What are software testing fundamentals? And explain Black-Box testing.	8
	b)	Explain the object-oriented software testing methods.	8
