Paper / Subject Code: 88901 / Software Engineering

Time:	3 Hrs	Max. Marks: 80
Note:		
1.	Question 1 is compulsory	
2.	Answer any three out of the remaining questions	
Q.1	Solve any 4 (Four)	5 marks each]
	A) Explain in brief the software engineering layers.	
	B) Differentiation between Prescriptive and Evolutionary Process N	Iodels.
	C) Mention any four requirement Elicitation Methods.	
	D) Explain size-oriented software engineering metrics.	
	E) What is meant by Effective Modular Design?	
	F) What are three important categories of risk? Give examples of ea	ach.
Q.2		
	A) Explain the Software Process with detailed umbrella activities.	[10]
	B) Draw a use case diagram for the Library Management System.	[10]
Q.3		
	A) Explain SCM (Software Configuration Management) Process with	ith version control an
	change control.	[10]
	B) What is user interface design? Explain it with an example.	[10]
Q.4		
	A) Explain COCOMO Model.	[10]
	B) Compare Verification and Validation Testing.	[10]
Q.5		
	A) What are different views of a component level design? Explain i	n detail [10]
	B) Explain different metrics used for maintaining software quality.	[10]
Q.6 S	olve any 4 (Four)	5 marks each]
	A) Discuss incremental model for software development with merit	s and demerits.
	B) Explain Coupling and Cohesion. Explain the types of coupling w	
	C) Explain different steps in risk management with a suitable diagra	
	D) Write short note on System Testing.	
	E) Explain principles of Agile Methodology.	
	F) What are Software Re-engineering and Reverse Engineering? Ex	xplain.
12	098	

1 | Page