Date:06/05/2015

Seat No.:	
No	

Subject Code: 171908

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## **BE SEMESTER-7th EXAMINATION - SUMMER 2015**

Subject Name: Software Engineering (Department Elective-I) Time: 02.30PM-05.00PM Total Ma			ırks: 70	
Ins	2	. Attempt all questions.		
Q.1	(a) (b)	What is software engineering? Explain the software engineering process. Draw and explain spiral model of requirement and design.	07 07	
Q.2	(a) (b)	List types of project plans. Explain project planning with algorithm. What are functional and non-functional software requirements?	07 07	
		OR		
	<b>(b)</b>	List possible software risks and explain risk management process.	07	
Q.3	(a) (b)	What is software requirement document? Who are the users of it? What is feasibility study? How does it help in requirement engineering process?	07 07	
		OR		
Q.3	(a) (b)	Draw the DFD for order processing. What is security specification? Explain stages of it.	07 07	
Q.4	(a)	Discuss the importance of group communication among the software development group.	07	
	<b>(b)</b>	Explain COCOMO model for cost estimation.	07	
		O.D.		
0.4	(a)	OR List and explain the factors influencing system release strategy	07	
Q.4	(a) (b)	List and explain the factors influencing system release strategy.  Explain configuration management planning.	07	
Q.5		Attempt ANY FOUR		
	(a)	Interviewing process.	14	
	<b>(b)</b>	Requirement validation checks.		
	(c)	Client-server architecture		
	(d)	Real time operating systems.		
	(e)	Fault Tolerant System		
	<b>(f)</b>	Validation v/s Verification		

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