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Total Number of Pages: 01													M.TECH			
2 nd Semester Back Examination 2016-17															COI C20	
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		Answer Que						-	-		-			:he re	st.	
Q1	The figures in the right hand margin indicate marks. Answer the following questions:												ks.			(2 x 10)
٠.	a)	• •										(2 X 10)				
	b)	·														
	c) d) e) f) g) h) i)	 Briefly explain the design concepts – Abstraction, Modularity and Refactoring. Briefly describe the quality function deployment technique. Discuss the regression testing strategy and its significance. Explain the process of formal technical reviews. Mention three attributes and the corresponding metrics for code quality. Briefly describe any three attributes of a good test. 														
Q2	(a)	What is software														(5)
Q3	(b) a)	Why spiral mode Describe the me										ara f	tho at	tributo	oc of	(5)
QU	•	effective softwar	e metr	ics?												
	b)	Write the three document.	conten	its of	SRS	docu	ment	? Wri	e the	diffe	rent	steps	to w	rite a S	SRS	(5)
Q4																(10)
		Estimate the effort required to develop software for a simple module that produces screens, 10 reports and will require around 100 software components. Assur average complexity and average developer / environment maturity. Use t Application Composition Model of COCOMO-II with Object Points. State a assumptions you make.										ume the				
Q5	a)	Design Use cas	se, Se	quen	ce, C	Class	and	Activi	ty dia	agram	n of	Railw	ay R	eserva	ation	(5)
	b)	System? Describe the various testing strategies.										(5)				
Q6	a) b)	Explain the different types of user interface design? Write the standards and guidelines of coding?											(5) (5)			
Q7	a) b)	Why maintenand Explain elaborate						nd ste	ps inv	/olved	d in ri	sk ma	anage	ment.		(5) (5)
Q8	a) b) c) d)	Write short note Software Quality SDLC Quality Assurance Prototype Model	ce	ıy TW	/O) of	f the f	follov	ving								(5 x 2)