

Course Code:		MCT543			
First Semester Master in Computer Application Examination					
CONCEPTS IN SOFTWARE ENGINEERING					
Time: 2 Hours]			[Max. Marks: 40		
Instructions to Candidates:					
1. All questions carry marks as indicated against them.					
2. All questions are compulsory.					
3. Due credit will be given to neatness.					
4. Assume suitable data whenever necessary.					
Question		Description of Question	Marks	CO	
1	(a)	Which software process model covers the risk factors of using new technologies? Explain it in detail.	(4)	CO1	
	(b)	What are the different measures of software quality? Discuss in detail Defect Removal Efficiency.	(4)	CO1	
2	(a)	What do you understand by the term requirements elicitation? Discuss any of its two techniques.	(3)	CO2	
	(b)	Elaborate the different categories of risks which can occur during project development.	(3)	CO2	
3		Write the steps of converting the analysis model into design model.	(5)	CO3	
4		What are the phases of Adaptive Software Development (ASD) model? Explain.	(5)	CO1	
5	(a)	Define cohesion with respect to design engineering. What problems are likely to arise if modules have low cohesion?	(4)	CO1	
	(b)	Describe in detail Business process reengineering model.	(4)	CO4	

<b>6</b>	<b>(a)</b>	Discuss equivalence partitioning method used for black-box-testing.	<b>(4)</b>	<b>CO4</b>	
	<b>(b)</b>	Write a note on Formal Technical Review.	<b>(4)</b>	<b>CO4</b>	