Paper / Subject Code: 70624 / Software Project Management

Tim	e:3	Hours [Total Marks :	80]			
N.B.:		 Question No.1 is compulsory. Attempt any Three from the remaining questions. Answer to sub-questions should be grouped together. 				
Q.1.	(a)	Define project. Explain project life cycle	(5)			
	(b)	Explain in brief: Spiral Model	(5)			
	(c)	Explain FTR.	(5)			
	(d)	Draw the use case diagram for college admission system	(5)			
Q.2.	(a)	Define requirements engineering. Explain any two requirements elicitation techniques.	(10)			
	(b)	What are the key elements included in the Project Closure process	(10)			
Q.3.	(a)	Assume a database system for an office automation project is to be developed. Project complexity is organic. The system mainly consists of following 4 modules: Data entry 0.6 KLOC Data update 0.6 KLOC Query 0.8 KLOC Report generator 1.0 KLOC System size 3.0 KLOC. Cost drivers are complexity: high (1.15), storage: high (1.06), experience: low (1.07), programming capability: low (1.17). Calculate the effort estimates for the different phases. (Assume the constants a1= 2.4, b1=1.05, c1=2.5 and d1=0.38).	(10)			
54	(b)	Write a short note on tools and techniques used in Quality Control	(10)			
Q.4.	(a)	Write a short note on Work Breakdown Structure	(10)			
103	(b)	What is SRS? Why it is important to develop SRS.	(10)			

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Q.5.	(a)	The following table indicates the various tasks involved in developing any (1)							
		product, the corresponding activities and the estimated duration (in weeks) for							
		each task							
		The following details are available regarding a project:							
		Activity	Description A	Predecessor	Duration				
				Activity	(Weeks)				
		A	Problem Definition		43				
		В	Requirement Specification	A	5 2				
		C	Design	A	7 8				
		D	Coding	AB	10				
		E	Quality Checking	C	5				
		F	Implementation	D,E	4 0 A				
			Ch Of April 1						
	Determine the critical path, the critical activities and the project Completion time.								
	(b) Explain RAD and Agile Development Model in detail								
Q.6.	(a)	Write a short note on Stakeholder Management (
	(b) Explain various steps involved in Risk Monitoring and Control								

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