Total No. of Questions: 8]				30	SEAT No. :					
PA-1250				No.	,	[Total	No. of Pages : 2			
			[59	25] 273	}					
S.E. (Information Technology)										
SOFTWARE ENGINEERING										
(2019 Pattern) (Semester - IV) (214454)										
		Hour				[A	Max. Marks: 70			
			the candidates.							
			ers Ouestion 1 or 2, 3 or 4,							
		/	iagrams must be drawn wh		cessary.	300				
			es to the right indicate full							
4	*)	1SSUM	ne suitable data, if necessar	.						
		,9			O	3				
<i>Q1</i>)	a) (Wh	at is Software Archite	ecture2	Explain	Data flow	and Lavered			
2-7			itectural style of the sys			, 2 000 110 ,	[9]			
	b)	Wha	at is functional independe	nce? Diffe	erentiate l	between cour	oling functional			
			ependence and Cohesion		1 1 1 2	_	[9]			
				OR	<i>></i>					
()2)	۵)	XX /1b.	at are the characteristics		dagian') Evaloia Cot	ftyrona Ovality			
<i>Q2</i>) :	a)		at are the characteristics delines and Attributes o	, —						
	b)		lain design concepts		8		[9]			
	0)									
		i)	Pattern							
		ii)	Information Hiding				00.			
		iii)	Modularity				<i>∽</i>			
						3				
(02)	۵)	Even	lain .			10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	[0]			
Q3)	a)		lain:				[۶]			
		i)	4P's of Project Manag	ement	(2)					
		ii)	Software Project Estim	nation	Cy	30				
	b)	Wha	at is Decomposition Tec	hnique? l	Explain I	Decompositi	on of Problem			
		and	Decomposition of Prod	cess.			[9]			
				OR	D.					
				0			D.E.O.			
				\			<i>P.T.O.</i>			

Q4)	a)	Explain Boehm's W5HH Principle.	[5]
	b)	What is the difference between PERT & CPM, state their applicate What is the importance of critical path in a project?	ion. [9]
	c)	Explain typical Problems with IT Cost Estimates.	[4]
Q 5)	a)	Explain McCall's Quality Factors.	[9]
	b)	Discuss Garvin's eight Quality Dimensions. OR	[8]
Q6)	a)	Explain Unit Testing? Which testing scheme is suitable to remove consoftinterest?	flict [9]
	b)	How do you justify the statement "quality is a complex and multiface concept".	eted [8]
Q 7)	a)	Explain any Four layers of SCM process in detail.	[8]
	b)	Explain CASE taxonomy. OR	[9]
Q 8)	a)	Explain in brief risk mitigation, monitoring and management.	[9]
	b)	Write short note on: i) JIRA ii) Kanban	[8]
		Explain in brief risk mitigation, monitoring and management. Write short note on: i) JIRA ii) Kanban	

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