Total I	No. of Questions : 8	3]	30	SEAT No.:	
P9112				[Total No	of Pages : 2
		[6179]]-237		^
	S.E. (Comp	uter Engineerin	g) (Artifici	al Intellignce	&
		Data Science	Engineerin	g)	
		SOFTWARE E	NGINEER	ING)
	(2019	Pattern) (Sem	ester - IV)	(210253)	
Time:	2½ Hours]	7.873		[Max	c. <i>Marks</i> : 70
	ctions to the candi			3	
1)		2, Q.3 or Q.4, Q.5 or		8.	
2) 3)		must be drawn where data, if necessary.	ever necessary.	W 20	
- /		,, , ,	4	2/3	
	.6.		\sim	is in the second	
Q1) a) Discuss with	suitable diagram t	hree major ca	itegories of softv	vare project
	resources?			.>	[8]
b) What is Estin	nation with Use Ca	ases? Explain	Estimation Usin	ig Use Case
	V *	he help of an Exam			[10]
	-		3		
		100	N O		
Q2) a		e basic principles	_	project schedulii	_
	different tasl	s of project sched	uling.		[8]
b	o) Discuss Emp	oirical Estimation N	/ /lodels. Expla	in Constructive	Cost Model
	for project es	timation with suita	ble example.		[10]
	(
		8.			2
()2 \ 0	With the help	of Samon ovnloi	n harrita tuans	aloto the november	onta madal
Q3) a		of diagram explain	n now to trains	state the requirem	\ "
	into the desig	311 1110 UC 1.			[8]
b	o) Explain dim	ensions of design n	nodel with the	e help of diagran	n. [9]
	5	O	R	3	

What is software Architecture? Why Architecture is important? What is **Q4**) a) the use of Architecture Decision Description Template? [9]

Discuss component level and deployment level design elements. b) [8]

Q5)	a)	Explain Risk and management concern with the help of diagram				
	b)	Disc	cuss any two of the following.	[10]		
		i)	Risk Refinement			
		ii)	Risk Mitigation			
		iii)	Risk Management			
			OR OR			
Q6)	a)	Wha	at are the advantages of SCM Repository? Explain functions perfo	rmed		
		by S	SCM Repository.	[8]		
	b)	Writ	e short note on any two of the following	[10]		
	i) Change control mechanism in SCM					
		ii)	SCM Process			
		iii	RMMM Plan			
		2.	28.			
		× ′				
<i>Q7</i>)	a)		ne testing? Explain graph based functional testing techniques			
		suita	ble graph notation diagram.	[9]		
	b)	Disc	russ any two of the following.	[8]		
		i)	User Acceptance Testing	90		
		ii)	Difference between Verification and validation Testing			
		iii)	Software Testing Life Cycle			
			OR OR	7		
Q 8)	a)	Wha	at is system testing? Explain any three types system testing.	[8]		
	b)	Expl	ain with suitable diagram Drivers and stubs in unit test environ	ment.		
	(integ	gration testing.	[9]		
		1				
			css with suitable diagrams top-up and bottom-up integration testing.			
[6179]-237						