Total No	o. of Questions : 8]	SEAT No. :
P9112		[Total No. of Pages : 2
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	S.E. (Computer Engineering) (Artif	icial Intelliance &
	Data Science Engineer	_
	SOFTWARE ENGINER	
	(2019 Pattern) (Semester - I	
	(2013) attern) (Seniester - 1	V) (210233)
	1/2 Hours]	[Max. Marks : 70
1nstructi 1)	ions to the candidates: Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or	r 0.8.
2)	Neat diagrams must be drawn wherever necessor	
3)	Assume suitable data, if necessary.	
Q1) a)	Discuss with suitable diagram three majo	r categories of software project
Q1) a)	resources?	[8]
b)	What is Estimation with Use Cases? Expl	an Estimation Using Use Case
ŕ	points with the help of an Example	[10]
	OR OF	
Q2) a)	What are the basic principles of softwa	re project scheduling. Explain
	different tasks of project scheduling.	[8]
b)	Discuss Empirical Estimation Models. Ex	plain Constructive Cost Model
ŕ	for project estimation with suitable examp	-
Q3) a)	With the help of diagram explain how to tr	anslate the requirements model
~ = / ···/	into the design model.	[8]
4 \	-	
b)	Explain dimensions of design model with	the help of diagram. [9]
	OR	S 20

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]

<i>Q</i> 5)	a)	Explain Risk and management	concern with the help of diagram.	[8]		
	b)	Discuss any two of the following	ng.	[10]		
		i) Risk Refinement				
		ii) Risk Mitigation	¥			
		iii) Risk Management				
)R			
Q6)	a)	What are the advantages of SCM Repository? Explain functions performed				
		by SCM Repository.		[8]		
	b)	Write short note on any two of	the following	[10]		
		i) Change control mechanis	m in SCM			
		ii) SCM Process				
		iii) RMMM Plan				
		9.	0 %.			
0 .	, V		0, 8.	••		
<i>Q7</i>)	a)		based functional testing techniques			
		suitable graph notation diagram		[9]		
	b)	Discuss any two of the following	ng	[8]		
		i) User Acceptance Testing		200		
		ii) Difference between Verifi	cation and validation Testing			
		iii) Software Testing Life Cy	cle			
		Sp., C	OR O	7		
Q 8)	a)	What is system testing? Explain	n any three types system testing.	[8]		
	b)	Explain with suitable diagram Drivers and stubs in unit test environment.				
		Disucss with suitable diagrams top-up and bottom-up integration in				
		integration testing. [9]				
		•				
			%.v			
[617	Disucss with suitable diagrams top-up and bottom-up integration in integration testing. [9]					
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