Total No	o. of Questions : 8]	SEAT No. :
P9112	<b>2</b>	[Total No. of Pages : 2
	[6179] 237	[100011000011000011
	S.E. (Computer Engineering) (Artificia	al Intellignce &
	Data Science Engineering	O
	SOFTWARE ENGINEERI	<u> </u>
	(2019 Pattern) (Semester - IV)	(210253)
Time: 2	1/2 Hours]	[Max. Marks: 70
Instruct	ions to the candidates:	
1)	Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.6	8.
2)	Neat dicgrams must be drawn wherever necessary.	~~0
3)	Assume suitable data, if necessary.	330
0.71	6.	
<b>Q1</b> ) a)	Discuss with suitable diagram three major ca	2/4
	resources?	[8]
b)	What is Estimation with Use Cases? Explain	Estimation Using Use Case
0)	points with the help of an Example	[10]
	points with the help of an Example	[10]
	QR O	
<b>Q2</b> ) a)	What are the basic principles of software p	project scheduling Explain
$Q_{2}$ $\alpha$	different tasks of project scheduling.	
	different tasks of project scheduling.	[8]
b)	Discuss Empirical Estimation Models. Expla	in Constructive Cost Model
	for project estimation with suitable example.	[10]
	9.	
<b>Q3</b> ) a)	With the help of diagram explain how to trans	late the requirements model
	into the design model.	$\mathcal{O}^{\dagger} \mathcal{O}^{\bullet} $ [8]
		3 3
h	Explain dimancions of decign model with the	halp of diagram [0]

b) Explain dimensions of design model with the help of diagram. [9]

OR

- Q4) a) What is software Architecture? Why Architecture is important? What is the use of Architecture Decision Description Template? [9]
  - b) Discuss component level and deployment level design elements. [8]

a)	Expl	lain Risk and management concern with the help of diagram.	[8]
b)	Disc	cuss any two of the following.	[10]
	i)	Risk Refinement	
	ii)	Risk Mitigation	
	iii)	Risk Management	
		OR	
a)	Wha	at are the advantages of SCM Repository? Explain functions perfor	med
			[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	
		NAME OF THE PARTY	
	×		
a)	Defi	ne testing? Explain graph based functional testing techniques	with
	suita	able graph notation diagram.	[9]
b)	Disc	cuss any two of the following.	[8]
	i)	User Acceptance Testing	0
	ii)	Difference between Verification and validation Testing	
	iii)	Software Testing Life Cycle	
		OR OR	
a)	Wha	at is system testing? Explain any three types system testing.	[8]
b)	Expl	lain with suitable diagram Drivers and stubs in unit test environn	nent.
7)	integ	gration testing.	[9]
		A. S. C.	
9]-2	37	2	
	a) a) b)	b) Disciplant ii) iii) a) What by S b) Write ii) iii) iii) a) What b) Exp Disciplant iii) iii)	b) Discuss any two of the following i) Risk Refinement ii) Risk Mitigation iii) Risk Management  OR a) What are the advantages of SCM Repository? Explain functions perfor by SCM Repository. b) Write short tote on any two of the following i) Change control mechanism in SCM ii) SCM Process iii) RMMM Plan  a) Define testing? Explain graph based functional testing techniques suitable graph notation diagram: b) Discuss any two of the following i) User Acceptance Testing ii) Difference between Verification and validation Testing iii) Software Testing Life Cycle  OR a) What is system testing? Explain any three types system testing. b) Explain with suitable diagram Drivers and stubs in anti test environm Disucss with suitable diagrams top-up and bottom-up integratio integration testing.