4		Seat Number: -		
Du	ration: 2 ^{1/2} Hrs	G411A23SE	Marks:- 75	<
No	te:- 1) All questions are con 2) Figures to the right i	npulsory. ndicate maximum marks.		
Q1	Attempt any 3 of the fol	lowing	(15	5)
1) Define software engineering. Expl		ing. Explain the software development life	e cycle (SDLC) steps in brief. Co	o1,(U)
* =	2) Differentials functional a	nd non functional requirement. Co1(A)		
	3) What are the components	of software process. Explain. Co1 (R)	•	
	4) Explain the structure of s	oftware requirement document. Co1 (A)		
	5) Write short note on spiral	model. (Co1 (R)		
	6) What are the principle of	agile method? Co1, (R)		
Q2	Attempt any three of th	e following	(15	5)
1) 2) 3) 4)	Explain system Engineering Explain the simple critical s	ystem with suitable example. Co1 (R)	(U)	
. 5)	Describe system dependabi	lity. what is its important in critical systen	ns. Co1 (R)	
6)	What are the problems face	d during requirement elicitation? Co1 (A) .	
Q3) Attempt any three of the	following	(15	5)
1) 2) 3) 4) 5) 6)	Write short note on modu Explain OSI Reference M	sign process with the help of a diagram. et scheduling. Co2 (R)	Co2 (R)	
Q4 1) 2) 3) 4) 5) 6)	Explain automation testir Explain system testing. C Explain the Cost Constru	alidation. Explain in V&V Process. Co3 (g. Co3 (R) o3 (R) ctive Model (COCOMO) with the formul fort for the project. Co3 (R) on. Co3 (R)		5)
Q5) Attempt any 3 of the follow	ving	(15	5)
	3) Explain CMMI process in	alysis and modelling Co3 (R) inprovement framework Co3 (A) a reusable components Co3 (R) ing Co3 (R)		