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Note:	1. Atte	mpt all Sec	tions. If y	ou require	any m	nissing o	data c	hoose	suitably	у.			
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1.	Attam	mt all an	4: ! l.		TION	A					2	-	11
1.	(a)	ot all questions in brief. $2 \times 7 = 14$ List the process maturity levels in SEI's CMM.										14	
	(b)							9					
9	(b) Compare evolutionary and throw away prototyping?(c) Draw the Context level DFD for the Safe home Software.												
	(d)	Distinguish											
	(e)	Distinguish						iiiig				,	
	(f)	- ,		equivalenc			711						
	(g)	Define sof				monning			8				
	(6)	Demie sor	ivale to ci	inginicering				- pales					
				SEC	CTION	В	- Carrier						
2.	Attem	pt any thre	e of the f	following:			1				7 x	3 =	21
	(a)	Explain ite				l model	for s	oftwa	re life o	cycle	and	d di	scus
	(1.)	various act				Cal		10	~				
	(b)	Describe la documenta		are require	ements	s are do	cume	nted?	State th	he in	npo	rtan	ce o
	(c)	Explain da		etural and n	rocedi	iral deci	an for	ra sof	tware				8
	(d)	Describe d			22 JP7001m		-			cent	c in	Cof	hwar
	(u)	design.	ccomposit	tion icvers	01° aUS	ifaction	and n	ilouuia	iriy coi	recpt	5 111	901	twar
	(e)	Define bla	ck box te	esting strat	tegy.	What do	o vou	mear	by in	tegra	tion	tes	sting
		Explain the			/		J			M. C.	and a second		0
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					TION	C			7)				
3.	Attem	pt any one	part of t	he followi	ng:			1	,	*	7 x	1 =	: 7

(a) List several software process paradigms. Explain how both waterfall model and prototyping model can be accommodated in the spiral process model.

(b) Which is more important-the product or process? Justify your answer

4. Attempt any one part of the following: 7 x 1 = 7
(a) Explain the feasibility studies. What are the outcomes? Does it have either implicit or explicit effects on software requirement collection
(b) Narrate the importance of software specification of requirements. Explain a

typical SRS structure and its parts.

Attempt any one part of the following:

 $7 \times 1 = 7$

- (a) Explain about the various design concepts considered during design.
- (b) What are the characteristics of a good design? Describe different types of coupling and cohesion. How design evaluation is performed?
- Attempt any one part of the following:

 (a) What do you mean by boundary value analysis? Give two examples of boundary value testing.
 - (b) What do you mean by system testing? Explain in detail
- Attempt any one part of the following: $7 \times 1 = 7$ (a) Explain the need for software measures and describe various metrics
 - (b) Write briefly on

5.

6.

7.

i) CASE ii) Software complexity measure.