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Q1		Answer	the follo	wing qเ	ıestio	ns:							(2x10	)
	b) c) d) e) f) g)	What are Convert (( a - n )	wo systemeliate at the follow the tech syntax treethe work at the tech at the work at the work at the work at the code and code and code at the syntax treethe work at the wor	ems wind and store wing into hindred to the contract of the co	enerate prage postfice calculorocece structure attructure attructu	ndroid tion is u allocat ix nota ulate Fl dural A ctures u ? Expla	and useful ion stration RST ? nalysisused in	Windown	dows mpila es ? E	opeition ? xplain	ating Explaii	system		
Q2	a)	Explain t expressio		-					scrib	e the	outpu	t for the	e (5)	
	b)	Find out	the useful $X \rightarrow xyz$ $S \rightarrow Sz$ $B \rightarrow yBz$ $R \rightarrow Ry$	z / Syzz / xBx y / SR				J				conline.co	(5) om	
Q3	a)	Consider form.		wing gra E + E	mmar	and sl	how th	e har	idle o	f each	right s	sententia	al	

b) "A useful grammar is always leads towards a successful parse tree". Justify (5) this sentence with a suitable parse tree.

(5)

 $E \rightarrow E * E$ 

 $E \rightarrow id$ 

Q4	Perform a SLR parsing upon the following grammar ? Draw the SLR parsing table. $S \to CC \\ C \to cC \\ C \to d$	(10)
Q5 a	Consider the following, Draw a DAG and distinguish the Labeling of the Graph.  t1=a+b  t2=c+d  t3=e-t2  t4= t1-t3	(5)
b	) What are the difference between top down and bottom up parsing ? Explain.	(5)
Q6 a	<ul><li>What do you mean by code Optimization? Explain various code Optimization Techniques with a suitable example.</li><li>Discuss the structure of a symbol table. Explain how the symbol table is created for a block structured language.</li></ul>	(5) (5)
	<ul><li>Explain the three address code representation of Intermediate code Generation.</li><li>What is Garbage Collection ? What are its necessity ? Explain briefly.</li></ul>	(5) (5)
	Write short note on any two  Peephole optimization  YACC & BISON  LL(1) Parsing	(5 x 2)