	NO DATE
	Marvin B. Waro BSCS 3B
	1) That accepts a string containing any number of A's and B's on Z={a,b}
	s= as/bs
	S= 2
	2) That accepts a string containing out least 28's on Z={a,b}
	S = aS, bb
	S1 = a5,b/2
	3) L(6) = { a b = 1 n > 3, m > 1}
	5 = A, S, B
	s, = as, b / 2
	AI = a A
	0 = 60 12
	A = a12
	4) L(G) = {a"b" ("-n,m zi}
	S = ABC
	$A = aA \mid A$
2	D = 68 1 2
	c = cC 1 A
	5) L(G) = { a2n b m: n 20, m 20}
	S - AB
	A = aa Al?
	8- 6017
	G) L(G) = { wcw ! w E { a, b } * }
E	S = asa
	5 = 929
	S= CIA

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7) Derive alleast 3 sentences from the	ne CFG in problem 3 using leftmost and rightmost	
derivation		
left-most berivation		
6 - A,S,B -> aAS, B -> aas, B -> aas	5,68-7aaoas,668-7aooa6668-> aada666	
5 -> A,S,B -> aas,B -> as,B -> ab.	→ab8 → ab	
Rightmost Derivation		
5 -> AS, D -> A, S, -> A, as, b ->	A, ab -> aAab -> aaab	
6 -> AS,B -> A,S,		
	2 4 11 2 0 A bh -7 0 bb	
S -> A15,B -> A,5,6B-> A,5,66D-> A,5,	66 -7 A, 66 -7 CM	
5 -7 A. S. B -> A, S, bB -> A, S, b -> A	4asibb -> Ainas, bbb-> Aiaaasibbbb->	
-> A, aaabbb -> aA aaabbbb -		
-> A, aanbbb -> aA adabbbo		

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8) perive the sentences 'aga bb acc' and agaga becace from the	cfG in problem
9 using derivation tree	
'aaa bb ccc'	
(5).	
A) (B) (C)	
AF B C C	
(A) (B) (B) (C) (C)	
0/0 000	
A (a)	
'aaaaabccccc'	
5	
(A) (B) (C) (C)	
0 0 0	
(A) (B) (C) (C)	
A C	
The state of the s	

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n) Derive the sentences away bibb and awarda bb from the CPG1
in problem S using derivation tree
'aaaa bbb'
(5)
(A) (B)
of day of to
11 (4 (6)
6 6 B
(S)
'aaaaaa bb'
(5)_
(A) E (B)
0 × 15
(A) (A) (B)
B 1
(A) (A)
G G A
<u> </u>

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	10. Derive the sentence babaa caabab from the CFG in	problem
	6 using derivation tree	
	,(5)_	
*	(2) (d)	
	1. 1.61	
	(S) (Q)	
	6 (5)	
	(3)	
	Sa Sa	
Y.	9° (5)	
	C	
7		