aus2) on L= [ En ] n=0] assuming that w is regular hanguage, Then  $n = C^{\beta} \int_{-\infty}^{\infty} Such that P is the pumping length, then$ by Pumping Nemmor, n= wiw must EL, then two coses arise's cose 1: 21 consists of C, then

cor v= cm, when m 2P, the

u= chm p

u= chm p

u= chm m = P = P = P L, so

u= i= 2, lies

n= uvw & L, then 2 = G-w 2m B = C D & T (ase 2: n comsist ), then

(ase 2: n comsist ), then

(uv) = [P] where m<P, then

(uv) = [P] = P+m & P

21 x is soon is not possible. Case 3: n consider of DC. Then

Let V= (5), when m+KEP, then

JUNI= (cPCK)) = Paktm 4P 3) this was is not possible or there is a contradiction on assumption is wrong, neme your banguage is not regular banguage.

Teacher's Signature

A Line Control of the	PAGE NO.:
aush	$L = 2 C^{n} \gamma (n \ge 0)$
2 7 8 2	4, CICC (126/126 ),CIE
	(20) 2/(16, 9) 6/20120 (9)
ans 5)	
	$L^{2}$ $\mathcal{E}$ $\omega$ ; $n_{\alpha}(\omega) \geq n_{b}(\omega) + 1$
2.7)	62 absb 62 abs
aus 7)	guin : 2 abjb s-> afb s-> alabsblaAb ubab bj
	A-> bSlapab
	if we wonsider a string abab, Then
	ib me see the Parse Tree for J.J
5	S S there are two possible parse tree!
	a A b a b b b d the guien grammar is ambigu
	ng a
	a
crus 8)	guien:7
	S-) albA guien strings ;
	A-) asl bAAla aaabbabbba
	B-) bslasslb
(a)	The leftmost derivation:
	s-jab
	-> aaBB
	7 a a (arb) B
	—) aaa bbB Teacher's Signature

	1!	
t <sub>ent</sub> y.		-) aaabbaBB
		-> aaabbabbs
		-> aaabbabbbA
		7 aaa bbabbba
	b)	The rightmost derivation:2
		S-> OB
		-) a abb
		-) aa(aBB) B
		-> aaa (aBB) (aBB)
	•	-) aaa(aBB) aBbS
		-> a aa labbi ab bA
		-> acalars) ar bba
		-> aaa(aBB)abbba
		-) aaa abbabbba
		-) aaa a b b a c c c c c c c c c c c c c c
		Tour
	رک	The parse Tree's
		-
	<u></u>	à
		a B B_
		thas s
	,	abh
		6 5 0
		h A
-		67
		A
	*	

- 1	
(p cu	guin ?
/	(-> 050   ISI   A consider an enample
	A-) 2B3
	3->213/3
	A A
	Basically we can see That 233 233
	The some part of the strings is 2 ns 3
	colindrom lie (tu of part)
	and the middle part can 0/2233/10 00,23500 be seen as 2°3 when you?
	be seen as 2 <sup>n</sup> 3 <sup>th</sup> wh nym?
8.75	- The Language generated by user grammar isis
	L= { w 2 3 wr} wr } when w ∈ (0/1)* && n; m ≥ 1}