	Arish Sandera DTU/2K16/MC/13	Date Page No.
	Cass Test - III Natural Lan	quage Prousing
- 11	5. In	
Q1)	For the given gramm	w
	JJ PP NP	5-1 ND1P
	NP-3 Ret Ady N	
	N - charot man	NP - Det-Adj N
, i	PP -> Prep NP	UP = Det N
	VP >V NP	
	1 b → 1	VP J UMP
	NP -> pet N	VP→ V
	Port 3 with (on	PD and mlp
	Adj - otd	PP-> PSep NP
	V > ate (sits	N= charet man
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Adj -s old
		Det the a
	~	Prep - with on
		1 0 9 1 VP
4)	Constant Augmented Tran	estion Netrock?
	0	
	cat Psep	fush MP
	(PP)	(PP/Prop) > (PP/NP)
	Cost Adj	
		John
	cat Det	JUMP COTH
5	NR) - PP/Ddt	E > (NP/Ag) (NP/N)
		X Y Y
		PUP PURP
		(Push PP)

	Date Page No.
a)	
	Cat Det Cat Adi
	((PP)) > (NP/DU)
	Cat. N
	POP
-	the state of the s
	(PP) cat Poets (PP/PJch) Push NP/S (PP'/NP)
	The state of the s
	V POP
	PIEL SIP GUE N
	(5)) (5/N)
	Cat V Cat V
	JUMP
	(S/AWX) (RIP/N)
	Put pp)
	(UP NP) JOMP
	Pop

5)	Write augmented Commer head Viriables	
	S-ypp VP	
	Let IP whose head word is the verts V,	
	ze denoted by VP(V)	
	Let NP whose head word is the hair n, be	
	dienoted by NP(n)	
	So, 5-> WP(n) VP(v) NP -> Ret Adj. Noun	
	=> NP(n) + Det (d) Adj (a) Neum (n)	
	NP -> Det N	
1.0	\Rightarrow $pp(n) \rightarrow Det(d) p(n)$	
	UP - V NP	
	=> VP(V) -> V(V) NP(N)	
	$VP \rightarrow V$ $\Rightarrow VP(V) \rightarrow V(V)$	
	PP - ench NP	
	PP → Prep NP ⇒ PP (P) → Pxp (P) NP(n)	

	Date Class Fun
	Page No.
las	
<u>.</u> b)	No Chair Iman
	Out of the
^-	U-s ato (sit
<u></u>	Ay - old/ sout
/U	Ty - our serve
	NP - pet Adj N
	s old chair
~	-s old, chair
~	
~	VP -> V NP
-	NP -> Det N
~	V - oute (sits
	N -> Chair han
~	head woods: (ate, thais)
· ~	(asl, man)
~	Ello , chois
~	Service of the servic
~	
~	PP -> Pzy PP
~	PP Dut. N
~	nep sonth on
~	1 10/1 3 portion (pr
~	Mead words! with chajo
~	with man
	on chair
	or man
2	
~	
<u>*.</u>	

1		CLAS	s Fun
Date			
Page N	o.		

Work Augmented arammas with care agreement?
S/SBT: Insputire
S/SBJ: Insputire 0/BBT: Objutive
S -> NPS VP NPO VP
DESTRUCTION PL
MPS - Rets By Ads N Pets N
NPO -> Reto JAdy N (Reto N
NP NIP N
VP -> V NPO V
PP -> Prep NPo Prep NPs
N -> Chair man
y -> att (sits
Adj -s old
Det -> the a
Prep - with on
1, 19 , 19 , 19 , 19 , 19 , 19 , 19 , 1

	Page No.
d)	Augmented Grammas Subject vas Agreement
	S(had) -> NP(Sbj,pn,h) NP(pn, had) NP(c,pn, way) > Bet (pn,h) Adj (pn,h) N (c,pn,
	MI (Gp, hend) -> Det (ph, h) N(p, ph, hend)
	VP = (Ph, head) -> V (Ph, head) NP(Ubg, P, b) VP = (Ph, head) -> V (Ph, head)
	PP (head) spep (head) NP (obj, pr, head)
15	Mes .
1	NPC3M - Det NC35)
	N(35) -> man/chair
	$V(3r) \rightarrow 5it$ $V(3r) \rightarrow ate$
	V (31) = 3 sees
	And the second of

Date	
Page No.	 _

1	
U37	Personise in a flw lines how augmented grammar would help a modern NIP
	grammas would help a modern NIP
114	project
114	An aly augmented grammar is a grammar
	whose productions are ausmented into
	An aly augmented grammar is a grammer whose productions are augmented with conditions expected/empressed using features.
	When values in cluded with the peaterne,
	the platone and safe values are brocketed
	the platone and safe values are brocketed of one ambiguity, feature have is onitted.
i)	Augmented grammer makes use y ruding probabilities generated in PCFG.
	probabilities generated in PGEG.
ĪŚV	Augmented Sommers & used to impute
	Augmented grammer & used to impute features in byical form.
17)	Argmented Crammas helps in identifying the head word to create a PCF & passe
	the head word to create a PCF 4 porse
	tru
W	bulps in landy ying subject or
	bulps in identifying subjective or objective are agreement
\/\	
<u> </u>	Identification of mad grammer helps in
	·
(jv	PCF4 years in shotosentences, 50 using
	Augmente d grunner is better
	PCFU Jesults in shots sentences, 50 using Augmented Grummar is belief Using Augmented Common Jesults in larger

	Date Page No.
	sentences than PUFY of CFG.
	In augmented grammar highburg words are taken into account wherevin PCFG wightening words are not taken into
ja ja	