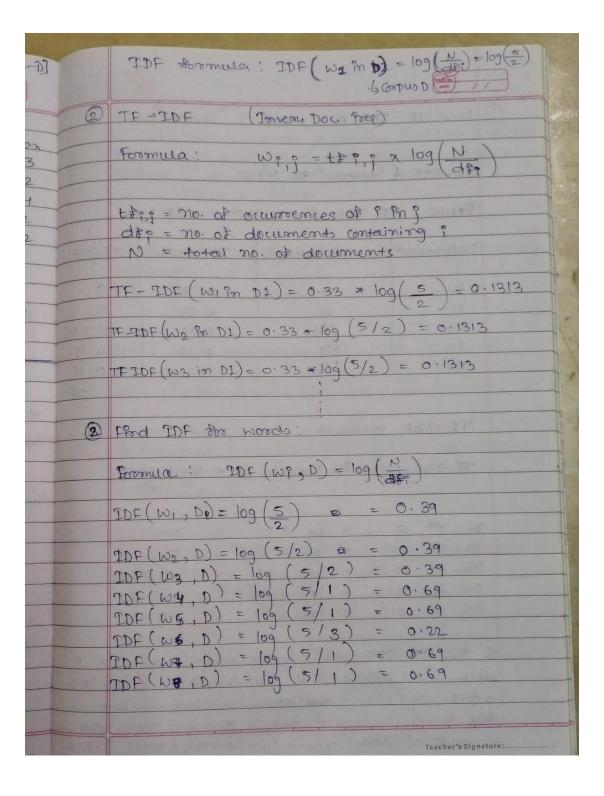
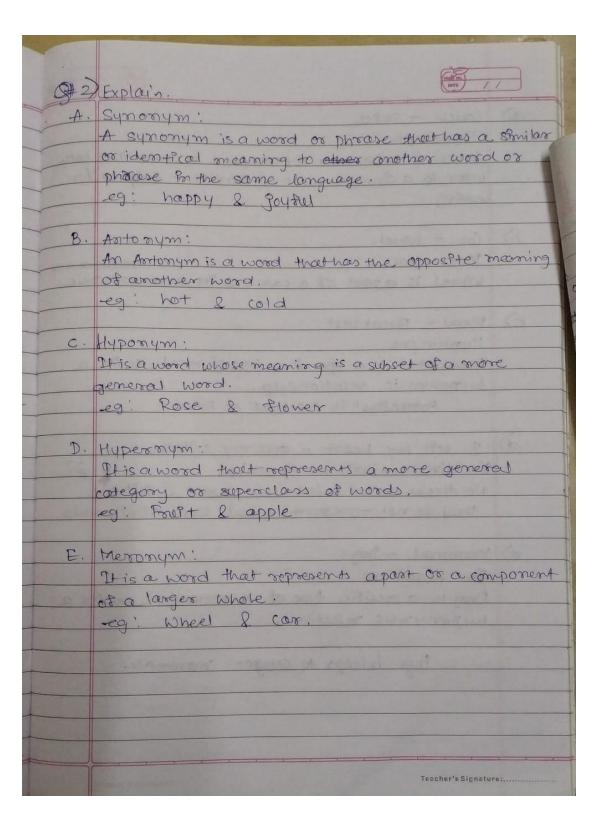
2.3.4		L. T. BO	0	(0,102)	Comps-f	Beetan 17
1	Athanua R	sashant	10mors	(9424)	a 7 E	[Batan-D]
11	50 000		NIP-	A83 -		11
#	TF - IPF	1				
91)	Doct - Data	base.			POPULATION OF THE PARTY OF THE	man
-	D1: Infor	matton	Petrole	val 845	tem	3
1	D2: Parton				14 m 4	2
		al speech synthesis system 4				
		th fittening 2				2
DS: Speec		h sets	neval	1957 10	stends y	2
	Away Barrey	ballense	1	de hos)
	JE NO	elve tal	ole: (Hom for	eq. Mato	DX)
			Darrome	ina /Tero	m.	turne the
	words.	D1	D2	D3	D4	DS
			KI WEND		4-14-14	
wı	Intermetion	1/3	1/2	0	0	0
wz	Petrieval	1/3	0	0	0	1/2
W3	system	1/3	0	1/4	0	0
W4	Storage	0	1/2	0	0	0
WS	Digiteel	0	0	1/4	0	0
66	Speech	0	0	1/4	1/2	1/2
WF	Synthesis	0	0	1/4	0	0
W8	Bitering	0	0	0	1/2	0
4	Formula:	A 10 1 70		1000	COLUE	Ind. A
	Tr(,, d) - 0					
	TF (w,d) = Occurance of w Pn d					
	total no. of w Pm d					
	a color results of the second					
	The state of the s	111111111111	Charles and	1000	Teacher's S	Signature:



13-0		(4 2 1) 1 11	Speech "	
3	firal TF -	IDF for word		
	USL-POR ((Speech) (n D)	=	
	Fable T	F IDF for WC	red = specu	h.
	Dowment	TF(speech)	DDF(speech)	TP-LOF
	D ₁	0	0.22	0
	D2	0	0.22	0
	D3	1/4	0.22	0.055
	D4	1/2	0.22	0.11
	D5	1/2	0.22	0-11
	Marian estatus			1
	TF+IDF	Domula:	14 - A 707 6	93 (2)
	TF-IDF (V	lord in Docu)=	tt # 109 N	7
			40/	i /
	THE S		101 = 67 . 11 7 1	MATE STATE
	DI -> 0		= 0	
	D2 -> 0		2 0	777
	D3 -> 0.	25 × 109 0 2	2 = 0:0	55
	DY -> 0	· 5 × 10 0.2	2 - 2 10.	1/
	DS -> 0.	5 × 109 0.2	2 = 0.1	Mal
S	o the TF-	DDF Values for H	re terror (sacce	in 2
0	source are	cably sox o. 11 for	r Du Da G	2 en Bit
	5.022 IM2	mean that speed	In is more	as made to
	The livese	5 dows. Among	2 d.	- molarent
te	o the toom 's	pecch's become the	ey have the higher	of TF-IDF



	Code //
	Couch - Sofa Synonym Couch & sofa are synonyms because they both reser to a chnilar piece of turnitum designed for seating.
b>	Meronym: relationship, wheel is a past of a car, so Pts a meronymic
c.)	Myponym Breakfast is a specific type of meal, so Pts a Myponymic relationship. Breakfast is a subset of meal.
a)	I sett my heart - and my suftcare. No direct sexical relationship. No direct sexical relationship heart & suftcare. they do not represent typical word relationship
e	Mammal - Dog: Be Hyponym Dog is a specific type of mammal., so Pts a Myponymic relation
	Dogs belongs to categor mammals. Teacher's Signature:

	(mains)	
#3		
A-3		1
B:	TupPter is the largest planet from the earsth mans is the fourth planet from the earsth	
*	Vector Form	WO
-		
_ (a)	traditional word court method.	Jups
	traditional word out	9
_	100000	+
	Jupiter 1	lare
_	the 1 2	plo
	larges+ 1 0	mo
-	planet ! !	Bou
-	Moss O 1	8
	Bousth 0 1	10
-	from 0	
	easth 0 1	
-	· Vector A = [1,1,1,1,1,0,0,0,0]	
	Vector B = [0,1,2,0,1,1,1,1,1]	
(2)	estimate similarity blu doc A & B using cosine	
	Formula'.	
	Similarity (A, B) = ZA: XB:	
	VZ A9 2 XV EB72	
-	V Z / 13 X V Z B) -	
	- A.B = (1x0 + 1x1+ 1x2 + 1x0+ 1x1+ 0x1+ 0x1+	
	0x1+0x1	
	= 0+1+2+0+1+0+0+0+0	
	$\begin{vmatrix} = 4 \\ A = \sqrt{5} \\ B = \sqrt{60}$	1
	A = 75 B = 7/19/10	
	Teacher's Signature:	-

		7DF = 100	9(2		port.	
		- Similarity (AgB) = 4 4 000000 0.56				
	6)	TF PDF	method.	cosine simile	10	1
hou	sds	TF (A)	TF(B)	IDF	TEIDE(A)	TFLDF(B)
Jupit		1/5	0	log(2/1) = 0.30	0.06	0
	e	1/5		109(2/2)= 0	0	0
lareg	est	1/5	0 1/8	109(2/2)=0	0.06	0
plan		0	1/8	109(41)=0.30	0 -434	0.0375
Bus		0		109(21)=0.30 109(21)=0.30	0.000	0.0375
eos.		0	1/8	109(2/1)=0.30		0.0375
		Vector A =	[0,0,	0,0,0,0	, 0, 0, o,	0,0,0)
,		Smilon's	(A,B)=	A·B IAI X I B)	about south	11164 at
		A.B=	erode o	A1 = 2	\B\ = 4	
		Similar	(A,B)=	2 x 4	8	0
+		ecesse	60 to 60	Irinilated V	and the same	100000
			(F - 20)	2, -63,4	I deal cont	Con-call
		CALLY 1				
					Teach	ner's Signature:



	Octa /
	Traditional word count method yields a higher cosine similar. of approx. ole 361 Indicating that
c)	cosine similare of approx. Ole to malicuting they
	cosine similare of approx. the 2 doce shore more common words. Houever P+ doesn't consider the Emportance of words.
0 00	noueles it are
	TF - 9Df method takes into account the Empostone
1113	of woods. It gives a lover cosine similarity of
	approx o. indicating that the 2 doc. one less similar when considering the impostance of words.
	300
d)	Other similarity Measures.
2680	Jercord similaria.
2680	measures the similary blu 2 sets by componing the
2650	size of their intersection & size of their union.
To	Jagord Similarin (A, B) = A 1 B
CERO W. CE	AUB
2.	Et clidea Distance! Of measure the straigh-line distance 1/10 2 points
	in a multislimensonal space.
	18 18 Salal page - Are
	Fuellidean Distance (A, B) = 7/2 (Ai -Bi)2
3.	Peasson Correlation Coefficient!
	measures the linear relationship b/w 2 vectors.
	Person low look (A,B)= \(\Si\) (Ai - \(\Pi\)(Bi-B)
	$\sqrt{\sum_{i=1}^{\infty} (Ai - \overline{A})^2} \sqrt{\sum_{i=1}^{\infty} (Bi - \overline{B})^2}$
	=1 = Teacher's Signature: