Name: Enrolment No:		
U	NIVERSITY OF PETROLEU	M AND ENERGY STUDIES
	End Semester Exami	nation, May 2020
Course:	Natural Language Processi	ıg
Semester:	VIII	
Course Code:	CSEG415	
Time:	2 Hours	
Programme:	B TECH (CSE)LLB(CL)/ (]	(PR)
Max. Marks:	60	
Instructions:	(i) There are 60 MCQs in thi	s exam.
	(ii) No Negative marking	

Which phase of NLP finds meaning of sentences	syntax analysis	Incorrect	seman tic analys is	Correc t	phon etic kno wled ge	Incor rect	pragm atic knowl edge	Inco rrect
Sentence is related with preceding sentence in	syntax analysis	Incorrect	seman tic analysi s	Incorr ect	disco urse kno wled ge	Corr ect	phone tics knowl edge	Inco rrect
Which of the following is free morpheme	books	Incorrect	redo	Incorr ect	Boun ded	Incor rect	drink	Corr ect
Which phase assigns nouns,pronouns,verbs,adj ectives etc. to words in sentences	syntax analysis	Incorrect	POS Taggin g	Correc t	phon etic kno wled ge	Past	stemm ing	Inco rrect
Conversion of 'Went' into 'Go' is example of	lemmatizat ion	Correct	stemm ing	Incorr ect	prag mati cs	Incor rect	phone tics	Inco rrect
Which NLP application converts one natural language into other natrual language	Opinion Mining	Incorrect	Text summ arizati on	Incorr ect	docu ment classi ficati on	Incor rect	Machi ne Transl ation	Corr ect
Which of the following is not used for evaluating NLP systems	average	Correct	precisi on	Incorr ect	recal I	accur acy	onJMS ()	Inco rrect

Search Engine response	NLU,NLG,			Correc		Incor	NLP,N	Inco
in Natural Langauge is	NLP	Incorrect	NLG	t	NLU	rect	LG	rrect
							discou	
					gram		rse	
				Incorr	mar	Incor	analysi	Inco
Pragmatics is related to	Context	Correct	syntax	ect	rules	rect	S	rrect
			~)		Nou		~	
In, S-> NP VP what is the					n			
meaning of NP			None	Incorr	Phra	Corr	Nill	Inco
incaring of NI	Null Phrase	Incorrect	Phrase		-		Phrase	
	INUIT FILTASE	incorrect		ect	se	ect	Fillase	rrect
Which of the following			playin	Incorr	readi	Incor		Inco
does not contain suffix	unhappy	Correct	g	ect	ng	rect	books	rrect
					Distr			
			_		ibuti			
How to make coffee'			Proced		onal			
sentence is example of			ural		Sem	.	None	
	Montague		Seman	Correc	antic	Incor	of	Inco
	Semantics	Incorrect	tics	t	S	rect	these	rrect
Which of following is not							d:dime	
used in Distributional	C: Context				E:		nsion	
	C: Context		M:Mat	Incorr	Elem	Corr	reducti	Inco
Semantics		Incorrect	rix	ect	ent	ect	on	rrect
					Man			
Which of the following is				Incorr	hatta	accur	Euclid	Inco
not a distance measure?	Angular	Correct	Cosine	ect	n		ean	rrect
Which type of frequency	Aliguiai	conect	COSITE	eci	11	асу	Call	mett
calculates whether word				Incorr		Incor		Corr
is rare or not	DF	Incorrect	MF	ect	TF	rect	IDF	ect
When documents are		medirect		ecc	11	Teel		ect
	Cos90		Cos45	Incorr	Cos0	Corr	Cos60	Inco
most similar?(Angles in	00590	Incorrect	C0545		COSU		COSOU	
degrees)		incorrect		ect		ect		rrect
Log function is used in				Correc		Incor		Inco
6	MF	Incorrect	IDF	t	TF	rect	CF	rrect
In Distributional			Discou					
Semantics, sentences are	Table		rse					
represented in the form of	Table		Knowl	Incorr	Phon	Incor	Vector	Corr
represented in the form of		Incorrect	edge	ect	etic	rect	S	ect
					Distr			
					ibuti			
			Mont		onal			
Set theory is applied in			ague		Sem		None	
	Procedural		Sema	Correc	antic	Incor	of	Inco
	Semantics	Incorrect	ntics	t	S	rect	these	rrect
			numb		num			
			er of		ber			
			docu		of			
Document Frequency is	rare words		ments		term		None	
	in		contai	Correc	s in	Incor	of	Inco
	sentences	Incorrect	ning	t	singl	rect	these	rrect
	sentences	inconect	Inng	•	Singi	1000	these	THEEL

	1	1	term	1	е	I	I	
					docu			
					ment			
In which parser, set of					stack		botto	
sybmols are matched to	Top-down		Tree	Incorr	pars	Incor	m-up	Corr
right side of rules	parser	Incorrect	parser	ect	er	rect	parser	ect
	parser	meoneet	•		stack	1000	botto	
Which parser uses left-			Top- down	Correc	pars	Incor	m-up	Inco
most derivation	Tree parser	Incorrect		t	er	rect	parser	rrect
		medifield	parser Cocke		EI	Tect	paisei	mett
			-		Cos-			
Full name of CYK parser			Youn		York		Cos-	
is	Case-		ger-		e-		York-	
15	Young-		Kasa	Correc	Kasa	Incor	Kasam	Inco
	Kasami	Incorrect	mi	t	mi	rect	i	rrect
				-	stack		botto	
CYK Parser is type of	Top-down		Tree	Incorr	pars	Incor	m-up	Corr
e minuser is type of	parser	Incorrect	parser	ect	er	rect	parser	ect
	puiser		Earle		stack		None	
Scan, Predict and	CYK			Correc	pars	Incor	of	Inco
Complete are phases of	Parser	Incorrect	y Parser	t	er	rect	these	rrect
		medirect		•	Only	1000	these	meet
When sentence is			Only		'PP'			
correctly parsed by using	Only NP is		VP' is		is in		S' is in	
CYK parser	in last cell'		in last	Incorr		Incor		Corr
CTK parser		Incompat			last	Incor	last	Corr
		Incorrect	cell	ect	cell	rect	cell	ect
AGR for 'He' is	1s	1	2	Incorr	1	Incor	2.	Corr
XX71 · 1 · 		Incorrect	2p	ect	1p	rect	3s	ect
Which is not semantic	Procedural		Monta	Incorr	Parsi	Corr	Distrib	Inco
type?		Incorrect	gue	ect	ng	ect	utional	rrect
Backtracking feature	D		Botto				_	
exists in which type of	Bottom-up		m-	Incorr	Hybri	Incor	Тор-	Corr
parser?		Incorrect	down	ect	d	rect	down	ect
What is formula for					(A-			
calculating Cosine			(A		B)/		(A+	
Distance?	(A /		.B)/ A	Correc	A B	Incor	B)/ A	Inco
	B)/ A B	Incorrect	B	t		rect	B	rrect
A= Today is Holiday								
B = We are not going to								
park , Sentence ' Today	¬A -> B		¬B ->		A^		B->A	
is Holiday and We are			A	Incorr	¬B	Corr		Inco
not going to park' is		Incorrect		Incorr		Corr		Inco
represented by		mcorrect		ect		ect		rrect
Calculate Tax by using								
Basic Salary, HRA and other allowances'. Which								
semantic is reflected by			Proce	Correc	Hybri	Incor	Distrib	Inco
this sentence.	Montague	Incorrect	dural	t	d	rect	utional	rrect
uns sentence.	montague	meeneer	uulai	•	u	Tett	utional	iieu

Which of the following is				Incorr		Incor		Inco
not free morpheme?	redo	Correct	play	ect	drink	rect	eat	rrect
	Teuo		p.c. y		•		Simple	
							and	
							efficie	
			It is an				nt way	
			algorit				to do	
	It is an		hm for		algor		stemm	
	algorithm		senten		ithm		ing,	
	for word		ce		for		remov	
Porter algorithm is	tokenizatio		tokeni	Incorr	parsi	Incor	ing	Corr
responsible for	n	Incorrect	zation.	ect	ng	rect	affixes	ect
What is example of				Correc		Incor		Inco
bound morpheme?	eat	Incorrect	books	t	drink	rect	play	rrect
				-	Exist		10.007	
∃x quantifier in predicate				Incorr	entia	Corr		Inco
logic represents	Not	Incorrect	And	ect	l	ect	Or	rrect
Which AGR cannot be	1100		7 11 0	Incorr	1	Incor	01	Corr
used for 'Do'	1n	Incorrect	20		22		3s	
	1p	incorrect	3р	ect	2p	rect		ect
Questions like sentences'							None	-
are represented by			S[+inv	Correc		Incor	of	Inco
1 7	s[-inv]	Incorrect]	t	S[]	rect	these	rrect
							None	
Yes/No Questions' are			bound	Correc	not	Incor	of	Inco
	unbounded	Incorrect	ed	t	fixed	rect	these	rrect
							None	
Wh Questions ' are			unbou	Correc		Incor	of	Inco
	bounded	Incorrect	nded	t	S[]	rect	these	rrect
In deterministic parser,	bounded			•	pars		these	
which of the following is			narco	Correc	e	Incor	parse	Inco
used		Incompact	parse		-			
used	parse queue	Incorrect	stack	t	tree	rect	graph	rrect
			Docu					
			ment					
			planni					
			ng,					
			Micro					
			Planni					
			ng,		Micr			
Which of the following			Surfac		0			
are different phases of	Document		e		plan		None	
-	realization		Realiz	Correc	ning	Incor	of	Inco
Natural langauge		Incorrect	ation		-		these	
generation	only	Incorrect		t	only	rect	these	rrect
	-		Docu		sent			
Annotations for sentences	Surface		ment		ence	.	micro	
are done in	Realizatio		planni	Incorr	plan	Incor	planni	Inco
	n	Correct	ng	ect	ning	rect	ng	rrect

1	I	I	I	l	surfa	l I	1	
Similar types of							Nene	
sentences are combined					ce	_	None	_
in			aggreg	Correc	realiz	Incor	of	Inco
	bounded	Incorrect	ation	t	ation	rect	these	rrect
In Natural Language			Ortho		sent			
Generation, 'First letter of			graphi		ence		micro	
name should be capital' is			cal	Correc	plan	Incor	planni	Inco
done in	bounded	Incorrect	Strings	t	ning	rect	ng	rrect
	bounded	meoneet	Jungs	•	Prob	TCCC	118	meet
					abils			
			Prono		itic			
			un		cont			
			-		ext-			
	Proper		contex		free			
	context-		t-free		gra		None	
	free		gram	Incorr	mma	Corr	of	Inco
PCFG' full form is	grammar	Incorrect	mar	ect	r	ect	these	rrect
if probability of S-> NP								
VP is 0.8 and probability								
of S-> NP is 0.1 , 'I found								
a ball' sentence or					same			
'Computer' sentence will			1		prob		none	
be more likely in			found	Correc	abilit	Incor	of	Inco
grammar	Computer	Incorrect	a ball'	t	y	rect	these	rrect
grunnu	Computer	meeneer		•	y	1000	regula	
			functi				-	
			onal			_	r	
Book to Books is	Irregular		morph	Incorr		Incor	morph	Corr
example of	morpheme	Incorrect	eme	ect	stack	rect	eme	ect
			functi				Irregu	
			onal				lar	
catch to caught is	regular		morph	Incorr		Incor	morph	Corr
example of	morpheme	Incorrect	eme	ect	stack	rect	eme	ect
					Coun			
			Proba		t		Corpu	
			bility		base		S	
Sampling unit and frame	Statistical		based	Incorr	d	Incor	based	Corr
are used in	based NLP	Incorrect	NLP	ect	NLP	rect	NLP	ect
	oused I (EI		1,121		struc			
					ture			
			un na sta					
			reada		d,str			
			ble,		uctur		readab	
Archive is combination			struct		ed		le,read	
of and Corpus is	structured,		ured		docu		able	
combination of	readable		docu	Correc	ment	Incor	docum	Inco
respectively	documents	Incorrect	ments	t	s	rect	ents	rrect
				-			None	
The main issue is some			Proba	Incorr	Cop	Corr	of	Inco
The main issue in corpus-		Incorrect			yrig			
based NLP is	count	Incorrect	bility	ect	ht	ect	these	rrect

The difference in deterministic and statistical NLP is in terms			functi onal morph	Incorr	Prob abilit	Corr	None of	Inco
of	count	Incorrect	eme	ect	y	ect	these	rrect
			Natur al Langu		Natu ral Lang			
	Natural		age		auge		None	
	Language		Gener	Correc	Gro	Incor	of	Inco
Full form of NLG is	Genetic	Incorrect	ation	t	wth	rect	these	rrect
	Natural		Natur al Langu		Natu ral Lang			
	Language		age Under		auge		None	
	Underestim		standi	Correc	Unio	Incor	of	Inco
Full form of NLU is	ate	Incorrect	ng	t	n	rect	these	rrect
Sentence plan is converted into sentence	sentence		docum ent planni	Incorr	stack plan	Incor	text realiza	Corr
structure by	planning	Incorrect	ng	ect	ning	rect	tion	ect
Dot product is calculated in	Euclidean	Incorrect	Cosine	Correc t	Man hatta n	Incor rect	none of these	Inco rrect
I went to Bank', which of the following ambiguity is present in this sentence	synatax	Incorrect	functi onal	Incorr ect	proc edur al	Incor rect	seman tic	Corr ect
In , meaning					synta		proced	
In, meaning of sentence is used	readable		logical	Correc	x	Incor	ure	Inco
irrespective of context	form	Incorrect	form	t	form	rect	form	rrect
							None	
In,output is	NLU,NLG,			Correc		Incor	of	Inco
in human readable form	NLP	Incorrect	NLG	t	NLC	rect	these	rrect