DAYANAND SAGAR COLLEGE OF ENGINEERING
(Autonomous Institution affiliated to VTU, Belagavi)
Vth Semester U.G (Computer Science and Engg.)

Natural Language Processing
19CS5DENLP

QUESTION BANK

	UNIT-4	
1	Differentiate between semantics and pragmatics.	4
2	Analyze the requirements for meaning representation.	10
3	With an illustrative example explain First Order Predicate Calculus(FOPC).	6
4	For each of the following verbs give all the selections restrictions possible: Think, eat, bark, fly, drink etc..	8
5	Demonstrate Syntax driven semantic analysis with an example	10
6	Write a note on selections restrictions.	10
7	Write FOPC for the following statements i. President nominates speaker ii. Fifi is the only pink poodle iii. Every person who buys a policy is smart iv. No person buys expensive policy v. If x eats y then y is inside x right afterwards	10
8	What is the use of lambda expression in Syntax driven semantic analysis	4
9	List and explain with an example different sense of words.	6
10	Formulate the different algorithms used to solve word sense disambiguate in its 3 techniques	10
11	Identify the different sematic roles which are commonly used and explain with an example.	6
12	List and explain the types of ambiguity in natural language.	6
13	Write an algorithm for Lesk Algorithm and Explain its working.	10
14	Formulate the different algorithms used to solve word sense disambiguate in its 3 techniques	10
15	How to resolve ambiguity in natural language explain with solution techniques.	10
	UNIT-5	
1	Differentiate between cohesion and coherence. Do you think that non-cohesive text can be coherent? Give appropriate example.	6
2	List and explain reference phenomena.	6
3	List and explain constraints and preferences in reference resolution	10
4	How Hobbs and Centering algorithm works, Explain?	10
5	Discuss about World Net	6
6	Discuss about Frame Net	6
7	What is Stemmer explain	4
8	Analyze the Areas of applications on Wordnet and Frame net	8
9	Distinguish between stemming and Lemmatization.	4
10	Summarize any 5 Lexical resources in NLP	10
11	Recognize the applications of Brown Corpus, British National Corpus (BNC)	4
12	With an algorithm explain Brill's Tagger	6