What is the role of Morphology?
Briefly write about Topic Boundary Detection
Differentiate Syntactic and Semantic Parsing
What is Hyper graphs explain with example
What is Dependency Graphs?
What is Meaning Representation?
Explain about Systems?
What is Predicate-Argument Structure?
Write short notes on N-Gram model.
Write the Selections of Sub word units

Discuss Lexicon, Mephitic, Orthographic
List out Ambiguity in issues and challenges.
What is parsing? Describe Parsing in NLP
What is Tree Banks? Write an example program.
What is Case Grammar? Write an example.
Describe Frame based Knowledge Representation.
Explain Stemming with example Program?
Explain Lemmatization with example Program?
What is Chunking explain its types?
Write about Maximum-Likelihood Estimation and Smoothing?

What is NLP? Explain two major approaches of NLP
Explain Finite-state of Morphology
Vhat is Syntax Analysis?
What is Dependency Graphs with example
tate homonymy and polysemy with example.
Explain in briefly semantic net?
What is Predicate Argument Structure in Syntax?
Vhat is the work of Word Sense?
Vrite a short notes on N-Gram model
Vrite a short note on Adaption.

What is the important of Morphology? Define its types.

Define Tokenization and Hybrid Approaches?

Perform parsing using simple top down parsing for the sentence "The dogs cried" using the grammar given below: S->NP VP,NP->ART N

NP->ART ADJ N ,VP->V

VP->V NP

Discuss Structural ambiguity, Semantic ambiguity, Pragmatic ambiguity?

What is FOPC? Write FOPC for the following sentences:

S1:jack loves Jill

S2:Suman takes Egg or Pharmacy

What is Structural Ambiguity?

Write a short notes on:

a) Frame net b)POS Tagging c)Stemming d)Named entity Reorganization.

What is software?

What is Large-Scale Language Model?

Define N-Gram Model?

What is Morphology?	Explain two types of Morphological mo	odels.
		[10]
a) Differentiate Lexem	e, Morphitic, Orthographic.	
b) List out Ambiguity	n Issues and Challenges	[5+5]
Explain the working of S	hift Reduce Parsing with Example.	[10]
Explain CYK Algorith	m using Given CFG rules.	[10]
"Book the flight throug	th the Houston"	
Grammar	Lexicon	
$S \rightarrow NP \ VP$ $S \rightarrow Aux \ NP \ VP$ $S \rightarrow VP$ $NP \rightarrow Pronoum$ $NP \rightarrow Proper-Noun$ $NP \rightarrow Det \ Nominal$ $NP \rightarrow Nominal$ $Nominal \rightarrow Noun$ $Nominal \rightarrow Nominal \ Nominal \ P$ $VP \rightarrow Verb$ $VP \rightarrow Verb \ NP$ $VP \rightarrow Verb \ NP \ PP$ $VP \rightarrow Verb \ NP \ PP$ $VP \rightarrow Verb \ NP \ NP$ $VP \rightarrow VP \ PP$	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	
What is the System Par	radigm? Explain with an Example.	[10]
Explain Lesk Algorithi	n With Example.	[10]
What is Predicate-Argi	iment Structure? What are the resource	s to address Predicate-Argument
Structure?	[10]	_
Discuss the Dependence	y Architecture and Tree adjoining gran	nmar (TAG).
[10]		
Explain Multilingual a	nd Cross lingual Language Modeling	[10]
Discuss Tree Based Lar	3.6. 1.1	[10]

Explain Sentence Boundary Detection and Topic Boundary Detection with example.

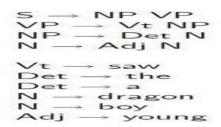
- a) Discuss Hybrid Approaches In NLP.
- b) What are the Issues and Challenge of NLP?

[6+4]

Explain Representation of syntactic structure.

[10]

What is a Data-Driven Approach? Explain following Bottom-up grammar in Tree Banks. [10]



Input String:" The young boy saw a dragon".

What are the different approaches for practical simple mention of semantic Interpretation? [5+5]

Explain Word Sense Disambiguation (WSD).	[10]	
Explain FrameNet and PropBank	[10]	
Explain Semantic Role Labeling Algorithm.		
Explain different Tree based modeling.	[10]	
Explain large scale language modeling	[10]	

What do you mean Morphology, Explain different Morphological Models? [10]

Write about Generative Model. Apply the naïve Bayes algorithm to Likelihood table by finding the probabilities of given features. [10]

Sl. No.	Play	Outlook	Sl. No.	Play	Outlook
0	Rainy	Yes	7	Overcast	Yes
1	Sunny	Yes	8	Rainy	No
2	Overcast	Yes	9	Sunny	No
3	Overcast	Yes	10	Sunny	Yes
4	Sunny	No	11	Rainy	No
5	Rainy	Yes	12	Overcast	Yes

6 St	ınny	Yes	13	Overcast	Yes	
Explain Minimus	n Spanı	ning Tree A	lgorithm	and Depen	dency Pars	sing.
[10]						
	ving CF	_	r Perfor	m syntactic	analysis o	of the following sentence using any of
parsing method.	.1 1	[10]				
"Book the flight						
$S \rightarrow NP VP$	De	et $\rightarrow$ that   this   a   the		Nominal $\rightarrow$ N	ominal PP	
$S \rightarrow Aux NP VP$	No	oun → book   man   fligh	t	$VP \rightarrow Verb$		
$S \rightarrow VP$	I	erb → book   include		VP → Verb N	р	
NP → Pronoun	pro	efer   man				
NP → Proper-Noun	Pr	onoun $\rightarrow$ I   she   me		$VP \rightarrow Verb N$	P PP	
NP → Det Nominal		oper-Noun → Houston   WA		$VP \rightarrow Verb P$	P	
Nominal $\rightarrow$ Noun	Au	$ux \rightarrow does$		$VP \rightarrow VP PP$		
Nominal → Nominal Nou	n Prepositio	$n \rightarrow \text{from} \mid \text{to} \mid \text{through}$	PP —	Preposition NI	•	
1						
Explain about lis	t of Res	ources in W	ord Sen	se Disambig	guation (W	VSD).
[10]						
Explain Lesk Alg	gorithm	With Exam	ple.			[10]
What is Frame no	et? Exp	lain is goals	, replace	ement and Ir	herited Fra	ames.
[10]	_	_	_			
Explain Prop Bar	nk with	parsing Tre	e and fin	nd out Predi	cate and ar	guments.
[10]						
Write about Language Modeling. Explain its Types? [10]						
What is Bigram model? Explain with example. [10]						
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Explain in briefly Morphological Models.	[10]
What are methods in structure of documents?	[10]
What is Dependency Graphs? Explain with Example	[10]
Explain Shift-Reduce Algorithm.	[10]
Book the flight through Houston	
Discuss Salaam and Yarowsky Algorithm for Semi supervised.	[10]
Explain different algorithms of WSD by Unsupervised approach	[10]
Explain Predicate Structure Argument.	[10]
What is Frame net? Explain is goals, replacement and Inherited F. [10]	rames.
Explain Bayesian parameter estimation method	[10]
Explain Multilingual Language Modeling.	[10]