16519nment-2 what is passing? Explain voicus tupe the passing also those in platasal Lunguage processing (Nup) are used to arelyze the syntatentic structure of syntatentic structure of main goal of syrains from them. and the main soul of pursing to to deles. 10 who would in aclationship between the word in a sentences and to coeate time like representation of syntactic stoucture rollowing are types of panoing.

pecurosive pecent parosing. 200 percentive decent passing is top-down proving technique that stoot from the good of passe and occupatively apply mainment rule to generate mase tree for given gentence. Ecoley paginglasely passing is a bottom up passing algorithm that builds the parse treeby using charot data structure to store It is efficient and an handle grammer. with crobitably secursion and ambiguity. The (cocke-younger- kasami) prosing is the dynamic programming algorithm a ak parosing -Soummer in changed months from 49.00 Henry building table of possible count Huents for a given sentence and account to be

Fig.	
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to generate the passe trope.	219
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Shirt peduce passing.	
Shift reduce parsing 1's bottom up pass	西土
. Technique that operates of stude and	tes
2. It stables with an empty stack and	ba
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3 chart passing-	· La
· chart passing is a passing algorithm	o ver
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2. Explain the terms:	1 ~
a) Non-Staudine b) Non-noun staudure	416
1 1709 Uments and Adulnas	1'0
Noun Structure -	3 Ad
1. In NLP , houns play contical role in	
There are and morning	Pd
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al rale in someon other grammatic	To be
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" FOR example in smeet of Moun phases.	Pr
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the noun procese "the big brown dog"	10
THE DIA MOON Glod,	-

sociucie the neun "cleg" as its headword, stors, with the determines "the and the advertise " big" the "bocoup" HOD - NOOD SHOUCKERwhile noun one certainly important in natural language processing inon noun Stoughtone once also contical for United tanching and analyzing language. Verse some examples of non-noun statich LIDE IN HIP. weeks are wood that express the action on state of being. These are often main element of in centence and determine tenso aspect and mod of sentence. adjectivesadjectives one coold that malify noun as pooneurs by poouding more income tion about their qualities and characters 109. Educate are word that madify your advective, or other actions by providing more Information about the manner time place. or degree of the action or state. Pre positiones are coords that jupically inditate a relationable between a nounce evenour and other element in sentence. They are after use to expossi existion, direction, time, or prosension. ×44

7.	conjunctions. conjunctions are coords that connect coord, phonoses, or clauses in a sentences.	(a) (b)
	They often used to soin elements of equal or unequal and can indicate legical relationship such as addition, contract or consequence.	2. 1
1.	pronoung - pronoun are accords that are assetting place of noun to avoid repetition	4
	They can before to a specific person	3 FC
	general.	4 5
3	Adjuncts -	
_ 1.	are aptional element in sentence that modify the meaning of sentence but are not espential to 145 basic structure.	3 - 6
	They are some time referred as "adverbials" because they often function as adverb inholitating time, location, manner or other circumstances.	2 0
3.	Inside outside probabilities are used in probability of specific parse tree.	3
4.	These probabilities are calculated: using a dynamic programming algorith that computes the probability of the parse tree from the "inside" and "outside" probabilities of tree sub trees.	

PREMINERAS-" TO MED, assument seless to mandategy part of Bentence that are required to make the sentence grammatically Thoroped. 1100 . Prouverte are tupically associated with ast. openific syntactic vale, such as object. and indirect object and necessary for the sentences to convey complete coheren-(1) ce meaning. 00 For example, "John ate an apple" 00 Thon" is subject and "an apple" is the clived object In this case both "shon" and "an apple" one organient: at 1. Explain Evidence for Deeper structure? but I one piece of evictence for the existence . of deeper Structure in natural language processing is the phenomenon of longdistance dependencies. notion long - distance dependencies neferos to on syntactic relationshiphip between the wood or phouse that one separated by - intervening material. These dependencies connet be accounted for by simple linear structure, and requires more complex stoucture to be properly represented. FOR example consider the following contents: " many heard that the book she counted To recel had been checked and of the idell The subject of prain clause "(Mady)" 15

	1
Separated from 149 corresponding upob	
bud been checked to mend	
6. In order to second of the library	
Sentence , the page dicleastand the	1
hested stocktime of the sentence and	1
across the intervening material.	-
Dell'sidi.	H
4. What	0
Co got man by	- 2
sent 1: Scope Ambiguity.	
1 Cope albidate	3.
opphosise in gentlers of the wood	
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TO THE TOTAL OF TH	
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that it modicion and in the senterre	4
DE 3. In crocles woods	
	S.
DO 4- FOR example, compided the	
as se it is unders whether the phouse	1
of "every man" or whether the phrase	
6. Depending to man" of not.	2
and their	
sortence could mean;	4
a too coold way to a	1
2. that he loves.	
there exist a worman that every main	
man freed man	1

house. In the first interpretation, the scope of "every man" includes "a cooman". Attachment ambiguity pesolution-Attachement ambiguity i's a common issues in natural language processing cobede the intended attachment of word or phrase to a particular syntactic stouchure is unclear. This other occur with prepositional phrages , relatives clauses, and other tupe of phrases that can be attached to different part of Gentence. one way to resolve the attachment ambiguity is to use probabilistic models that design assign probabilities to different attachment option barral on the context of the gentence. 14 FOR example, in the sentences, "The main aged the boy with the phoase " with the telescope" can be attachement to either ithe man "or - " the boy ". resulting in tooo different 1. The man saw the boy who hand a The man used a telescope to see the boy.