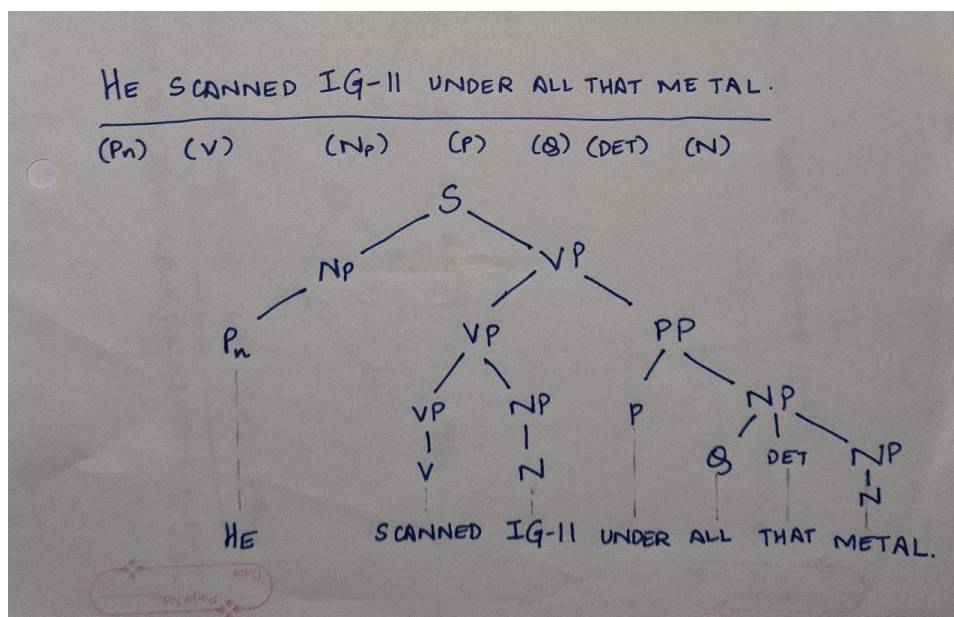
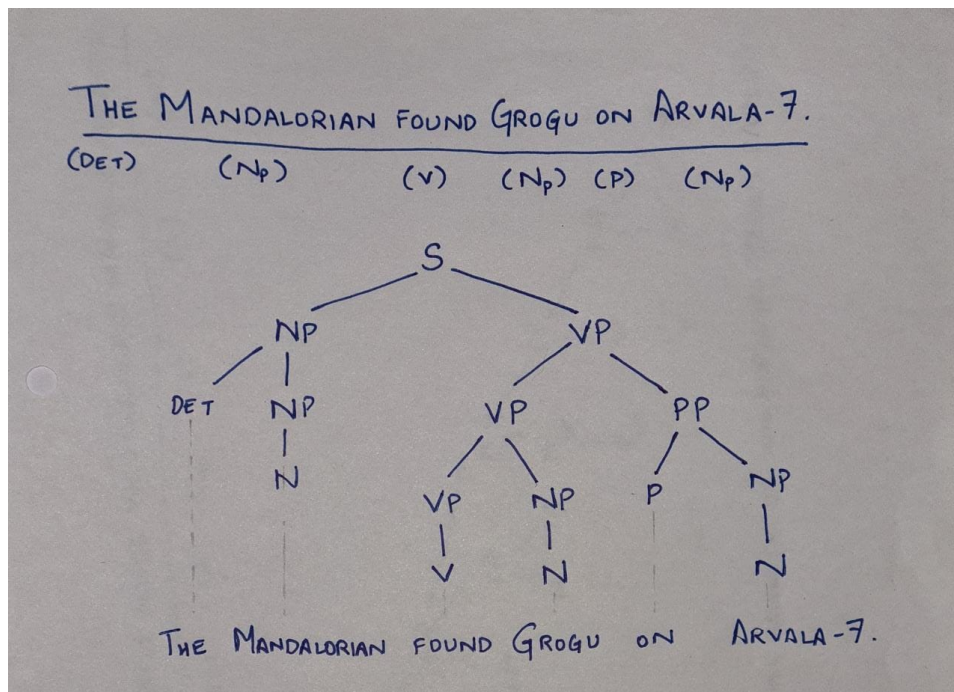


## Assignment 8

Name: Abhinav S Menon  
Roll No.: 2020909122

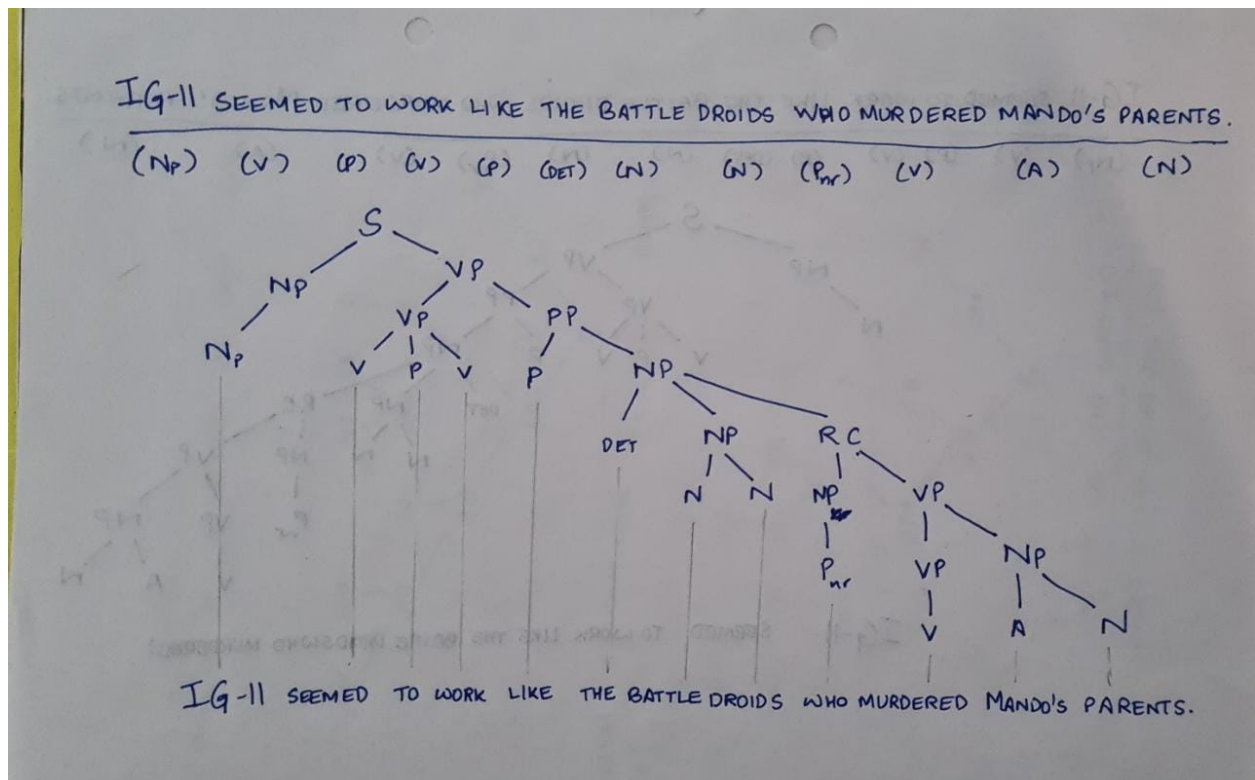
### 1. Trees

The PSG trees for the 7 sentences (there are two trees for sentence 4) are as follows:  
(i) The Mandalorian found Grogu on Arvala-7.



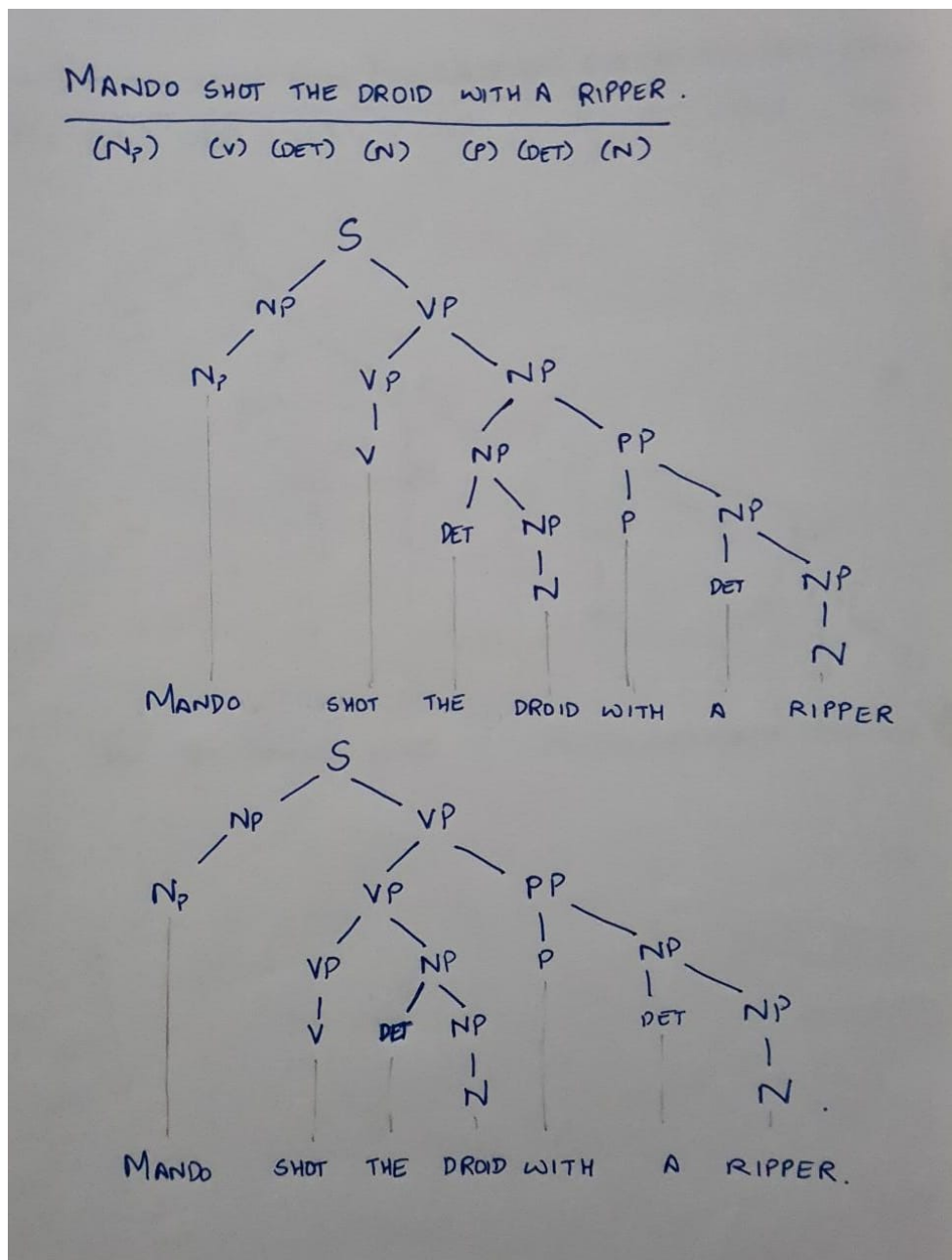
(ii) He scanned IG-11 under all that metal.

(iii) IG-11 seemed to work like the battle droids who murdered Mando's parents.

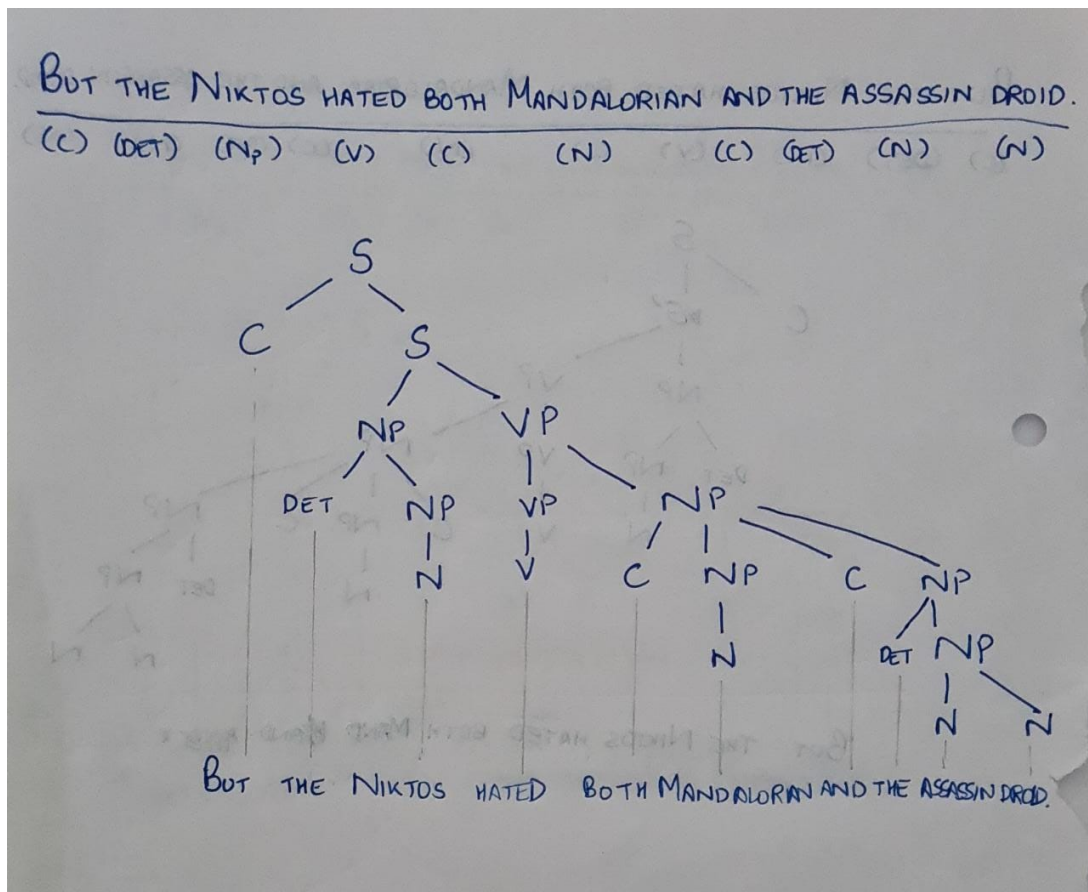


(iv) Mando shot the droid with a Ripper.

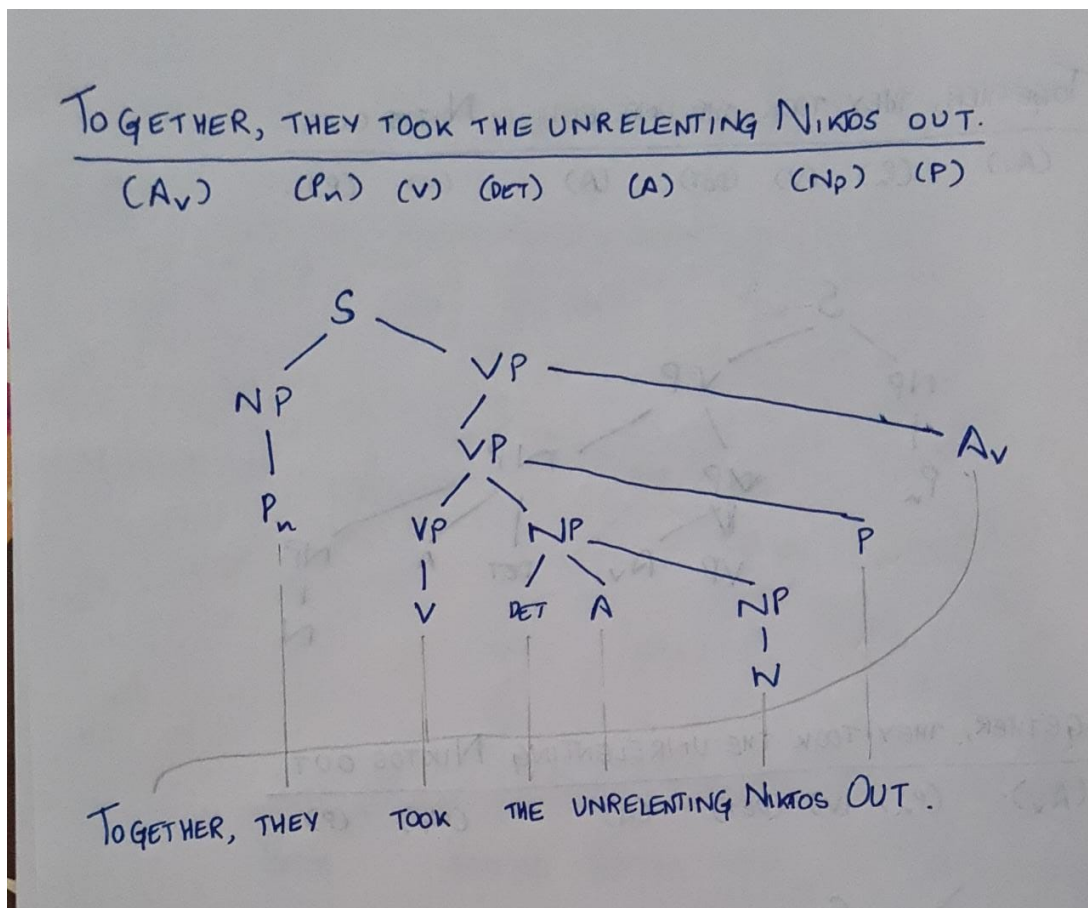
(From context, the second tree appears more likely.)



(v) But the Niktos hated both Mandalorian and the assassin droid.

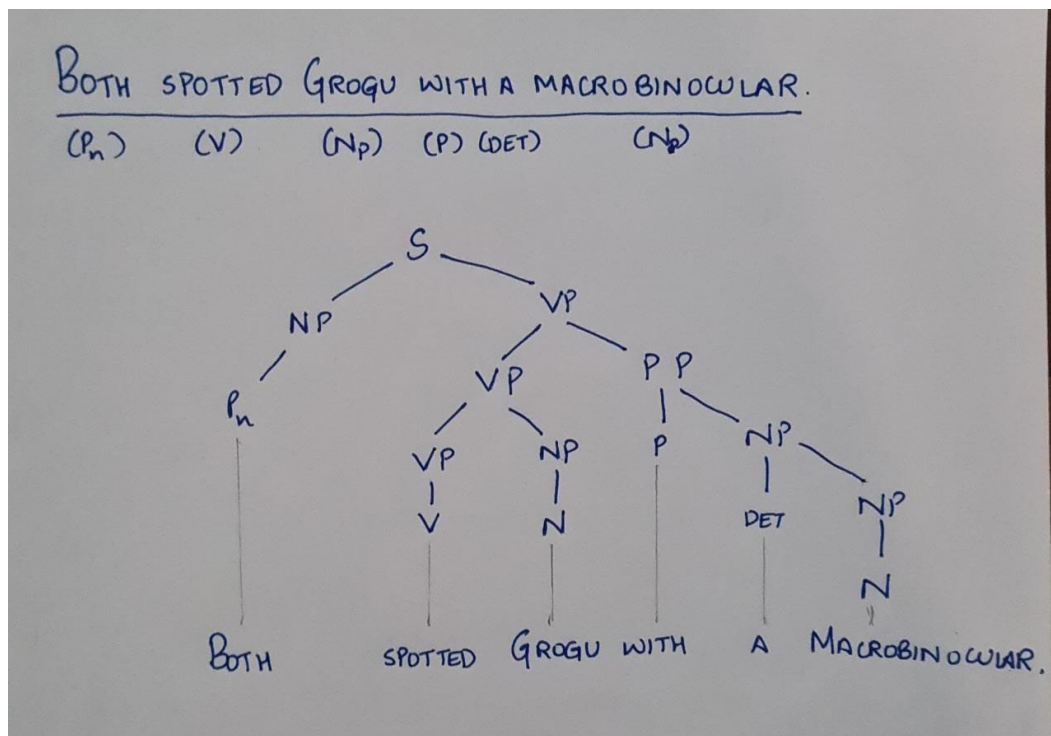


(vi) Together, they took the unrelenting Niktos out.





(vii) Both spotted Grogu with a Macrobinocular.



## 2. Grammar

The following rules account for all the sentences [N<sub>p</sub> is equivalent to N]:

(i) Substitution

S → NP VP | C S

NP → (Q) Det (A) NP (RC) | NP PP | C NP C NP | N | P<sub>n</sub> | P<sub>nr</sub> | N N

VP → VP PP | VP NP | VP A<sub>v</sub> | V P V | V

PP → P NP

RC → NP VP

Det → the | that | a

N → Mandalorian | Grogu | Arvala-7 | IG-11 | metal | battle | droid(s) |  
parents | ripper | Niktos | assassin | Macrobinocular

V → spotted | took | hated | shot | seemed | work | murdered | scanned |  
found

P → on | under | to | like | with | out

P<sub>n</sub> → both | they | he

P<sub>nr</sub> → who

A → unrelenting

C → but | both | and

Q → all

A<sub>v</sub> → together

(ii) Movement

The adverb can be moved to the beginning of the sentence.

## Legend

NP – Noun Phrase

VP – Verb Phrase

Det – Determiner

N – Noun

V – Verb

P – Preposition

P<sub>n</sub> – Pronoun

P<sub>nr</sub> – Relative Pronoun

Q – Qualifier

A – Adjective

C – Conjunction

RC – Relative Clause

A<sub>v</sub> – Adverb