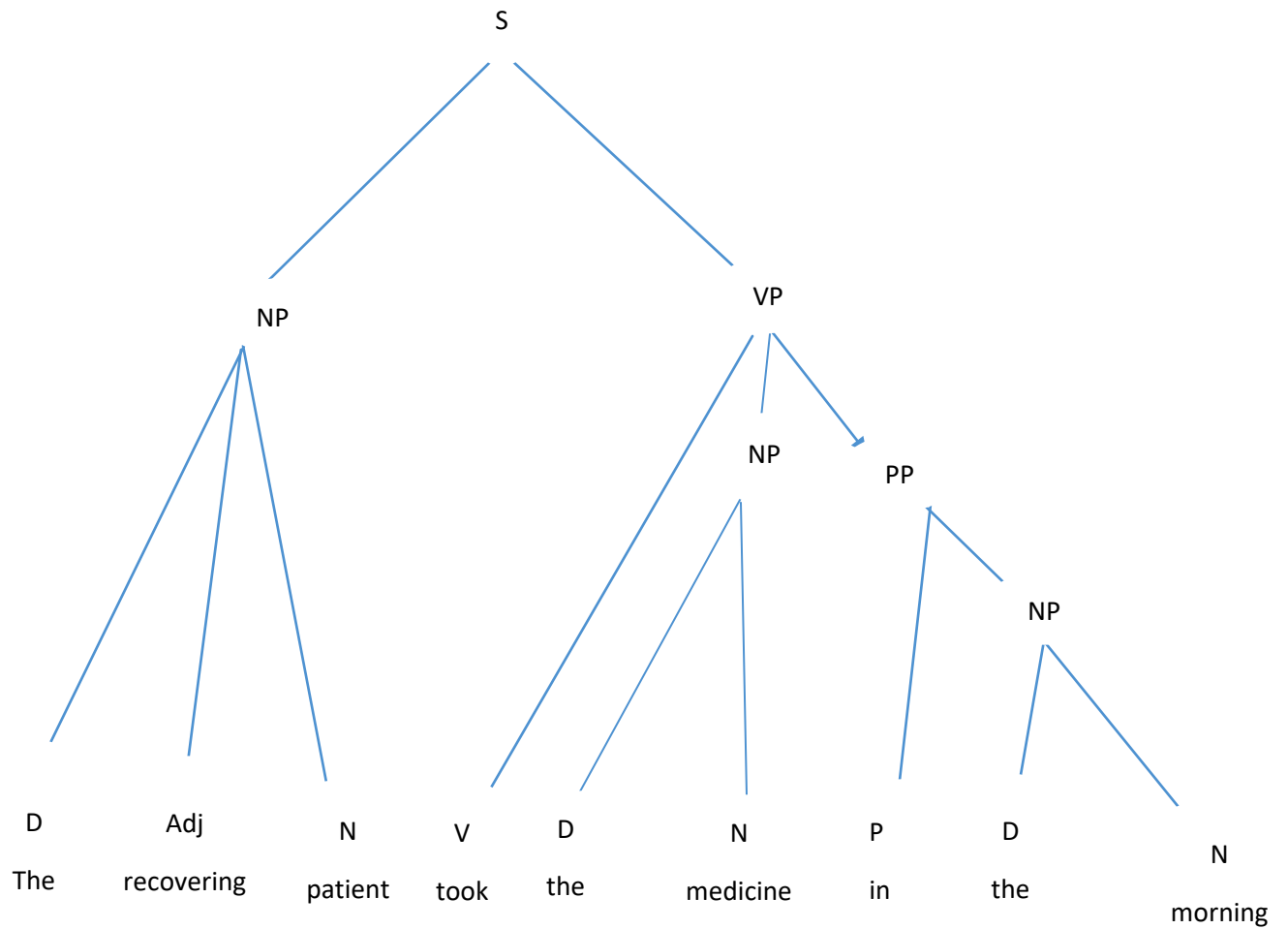


Question one



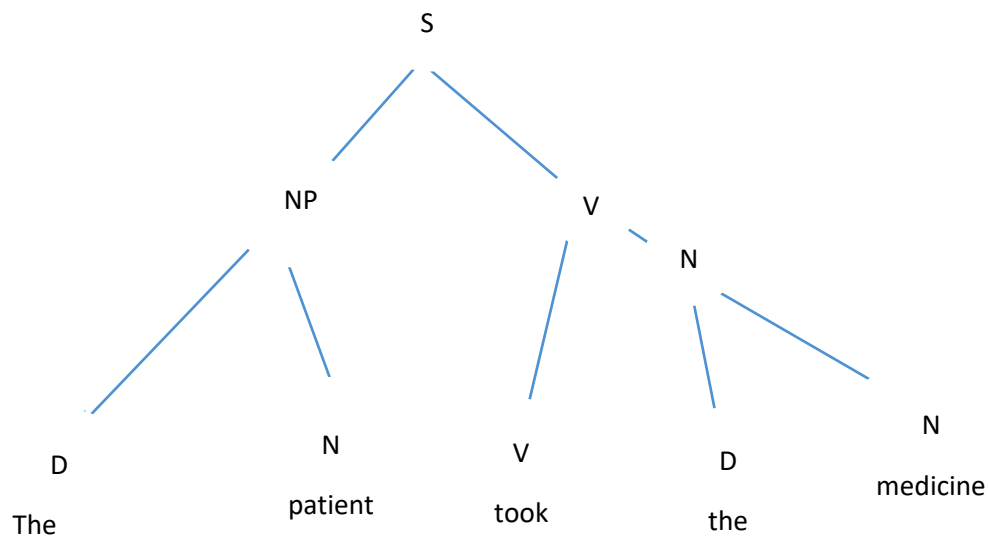
$S \rightarrow NP VP$

$NP \rightarrow (D)(Adj) N$

$VP \rightarrow V NP PP$

$PP \rightarrow P NP$

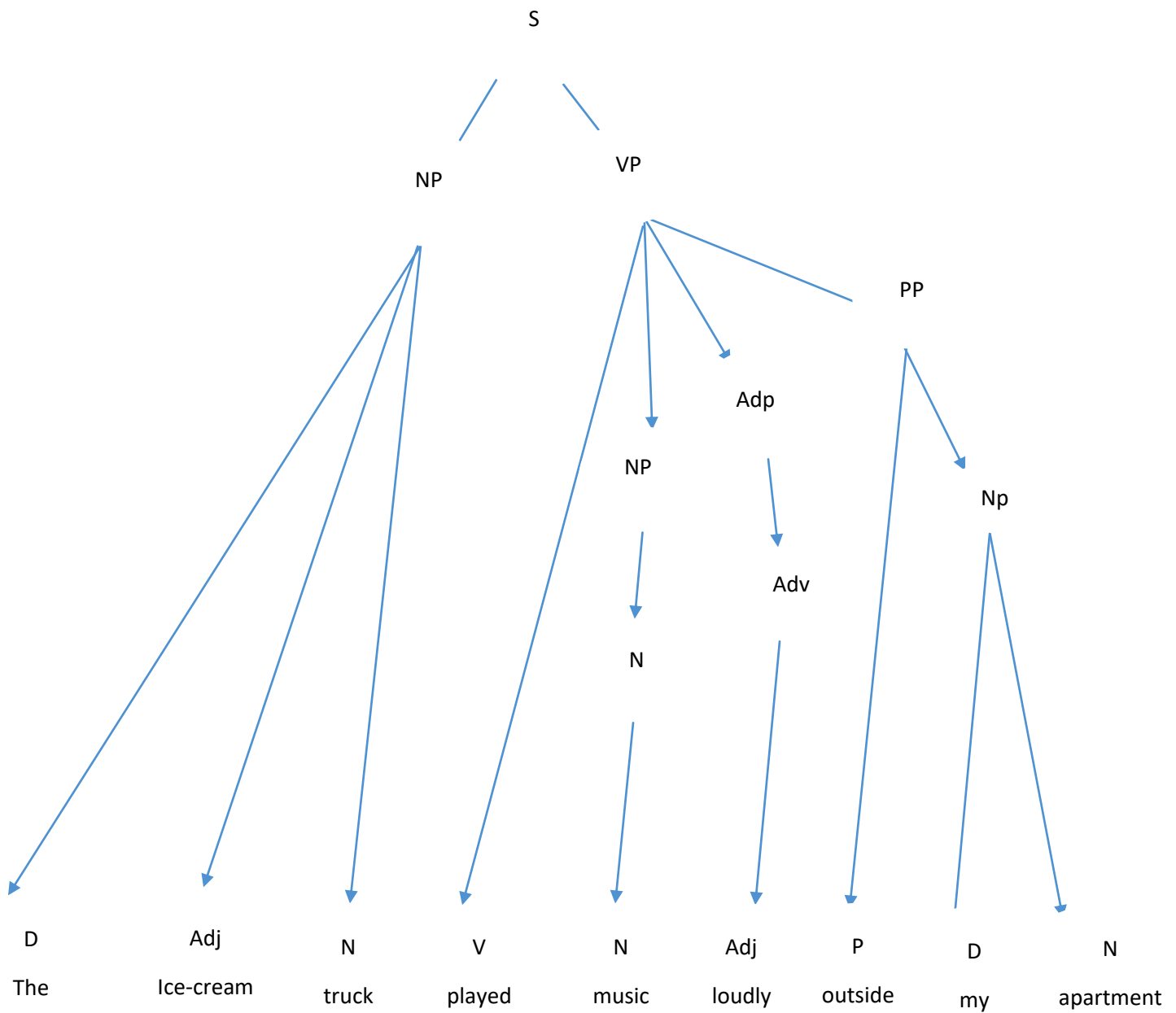
Question 1



Rules

 $S \rightarrow NP VP$ $NP \rightarrow (D) (ADJ) N$ $VP \rightarrow V NP (ADVP) PP$ $PP \rightarrow P NP$

Question 3



Rules

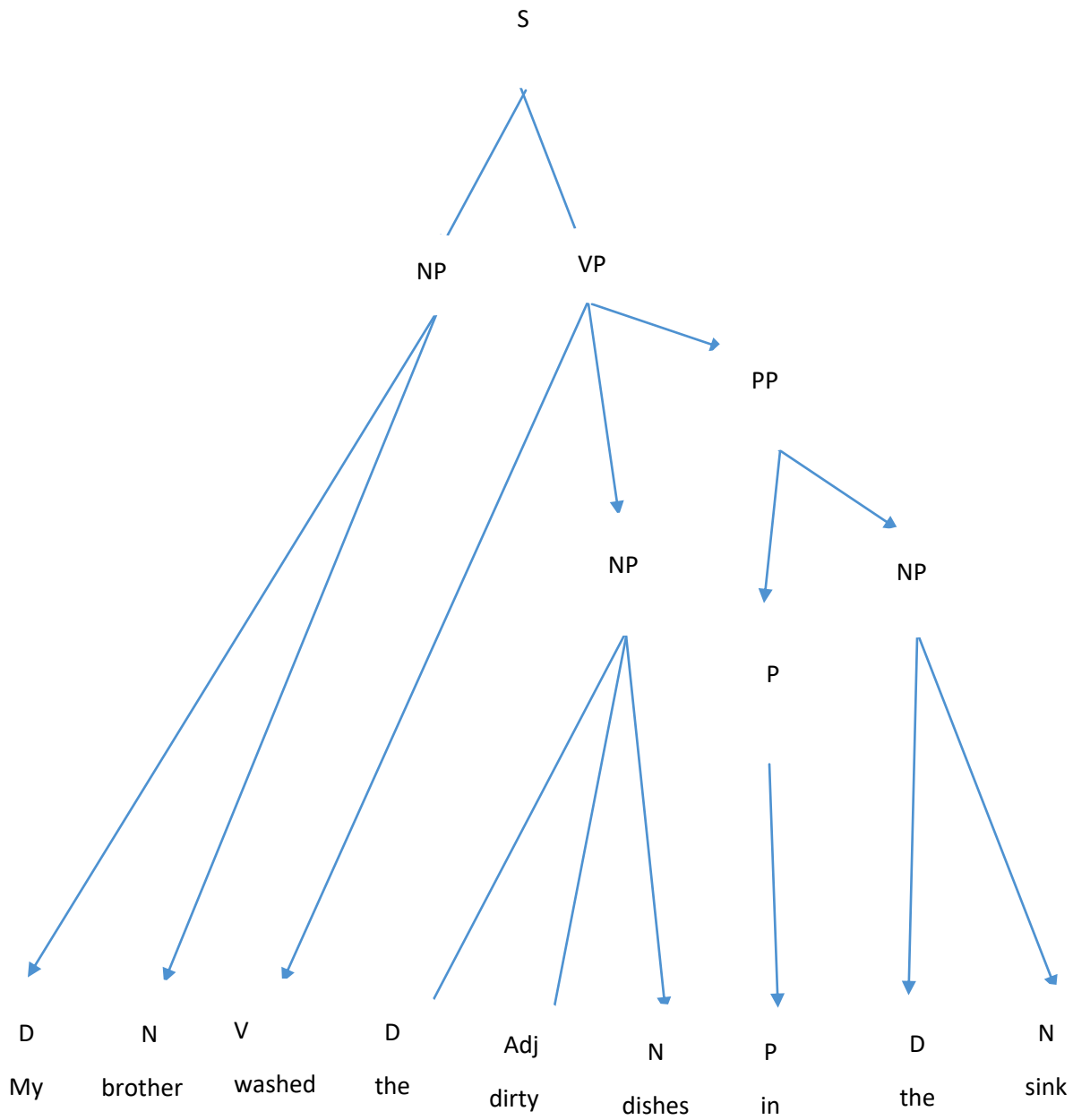
$$S \rightarrow NP VP$$

$$NP \rightarrow (D) (Adj) N$$

$$VP \rightarrow V PP NP$$

$$PP \rightarrow P NP$$

Question 4

**Rules**

$$S \rightarrow NP VP$$

$$NP \rightarrow (D) N$$

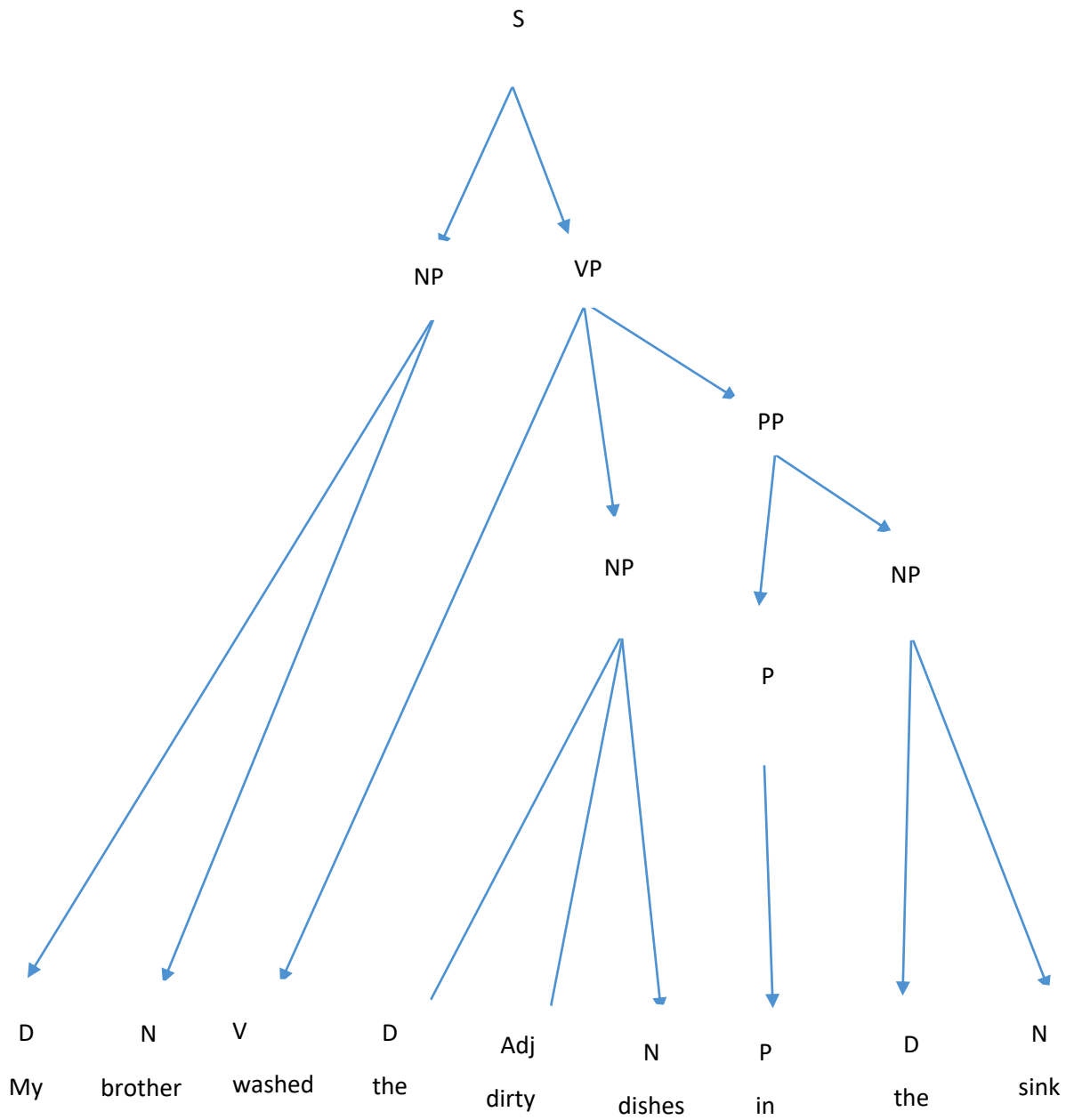
$$VP \rightarrow V NP PP$$

$$NP \rightarrow (D) (Adj) N$$

5

$PP \rightarrow P NP$

Question 5



$S \rightarrow NP VP$

$NP \rightarrow (D) N$

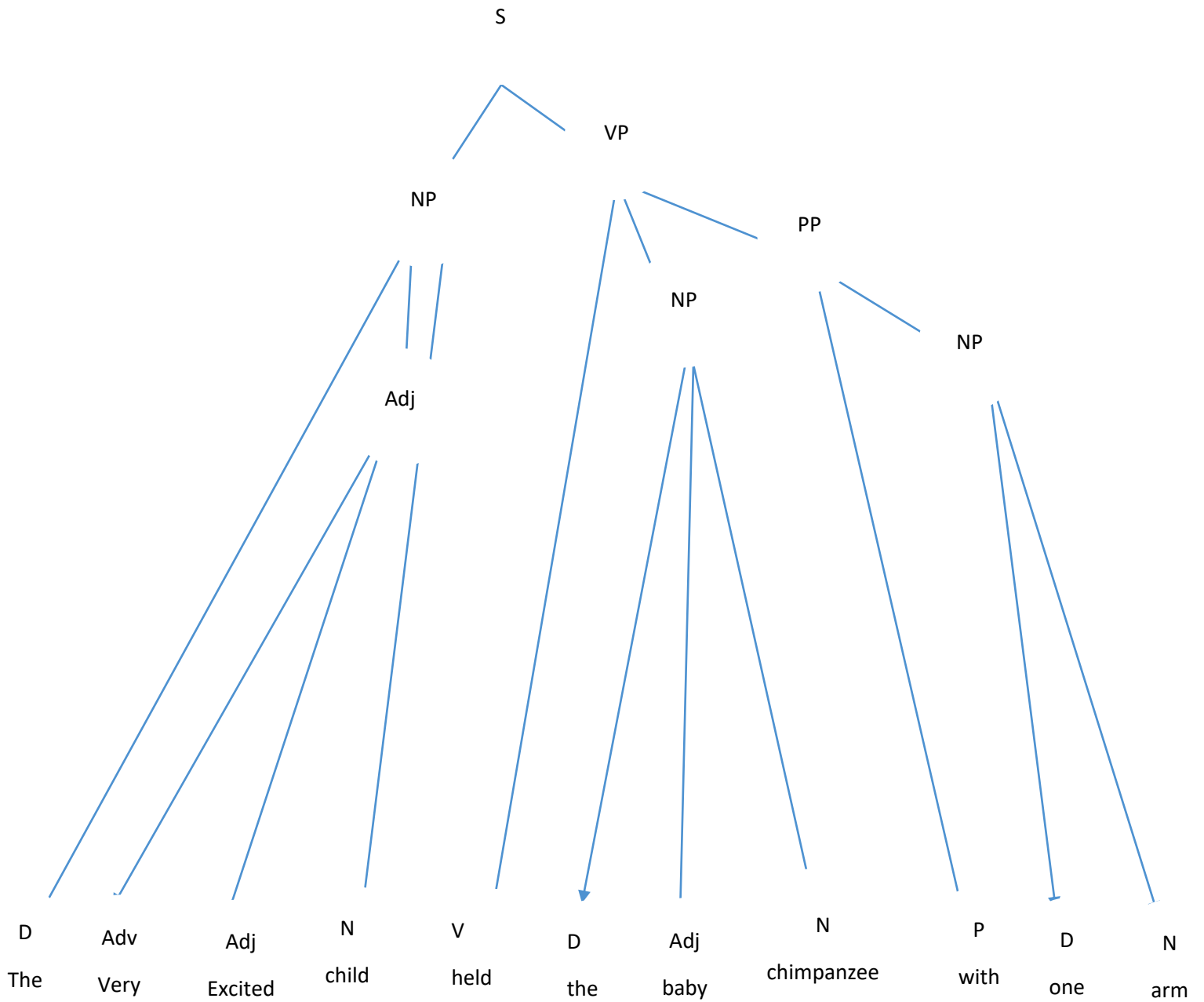
$VP \rightarrow V NP PP$

6

$NP \rightarrow (D) (Adj) N$

$PP \rightarrow P NP$

Question 6



Rules

$S \rightarrow NP VP$

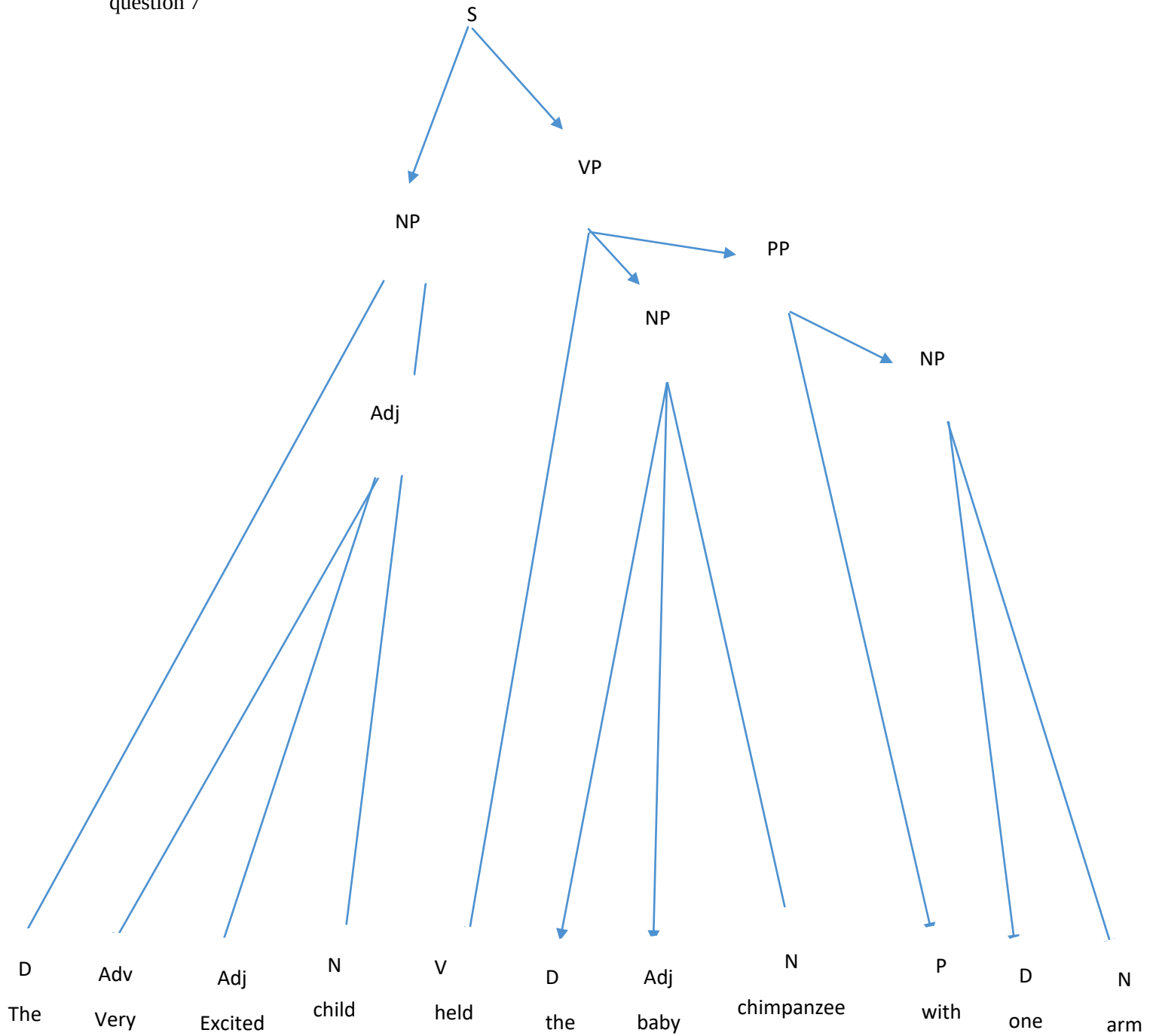
$NP \rightarrow (D) (Adj) N$

7

VP → V NP PP

PP → P NP

question 7



Rules

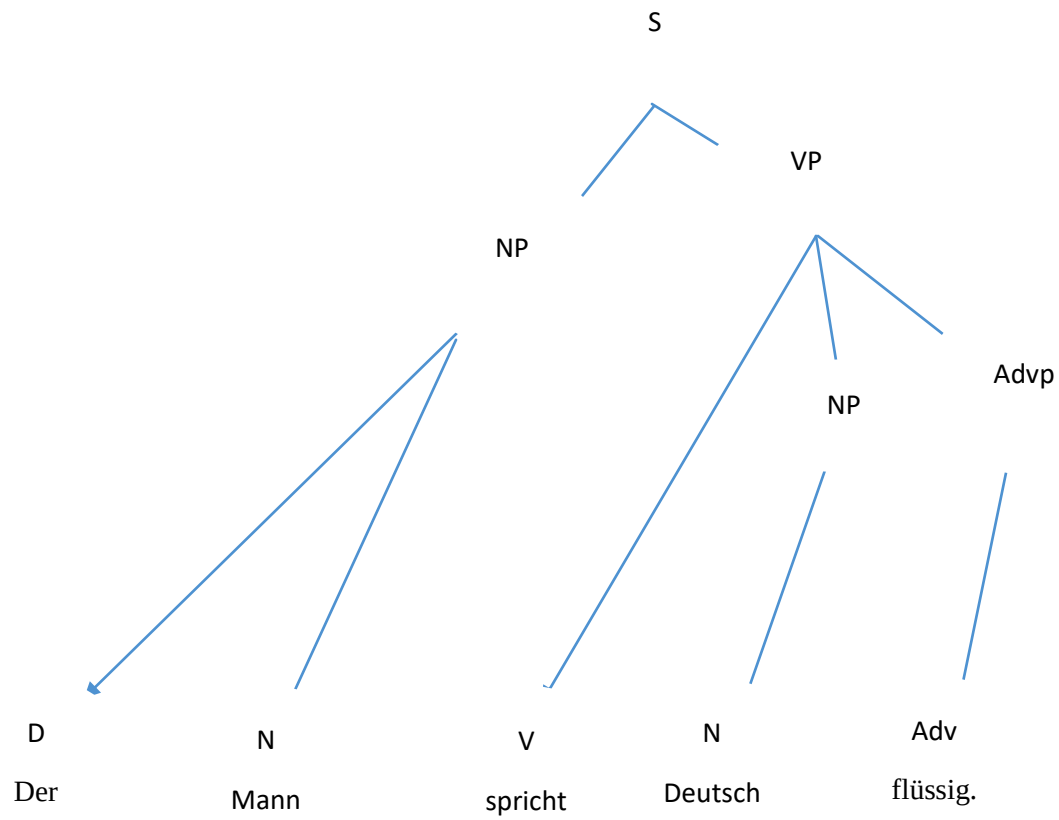
$S \rightarrow NP VP$

$NP \rightarrow (D) (Adj_p) N$

$VP \rightarrow V NP PP$

$PP \rightarrow P NP$

Question 8



Rules

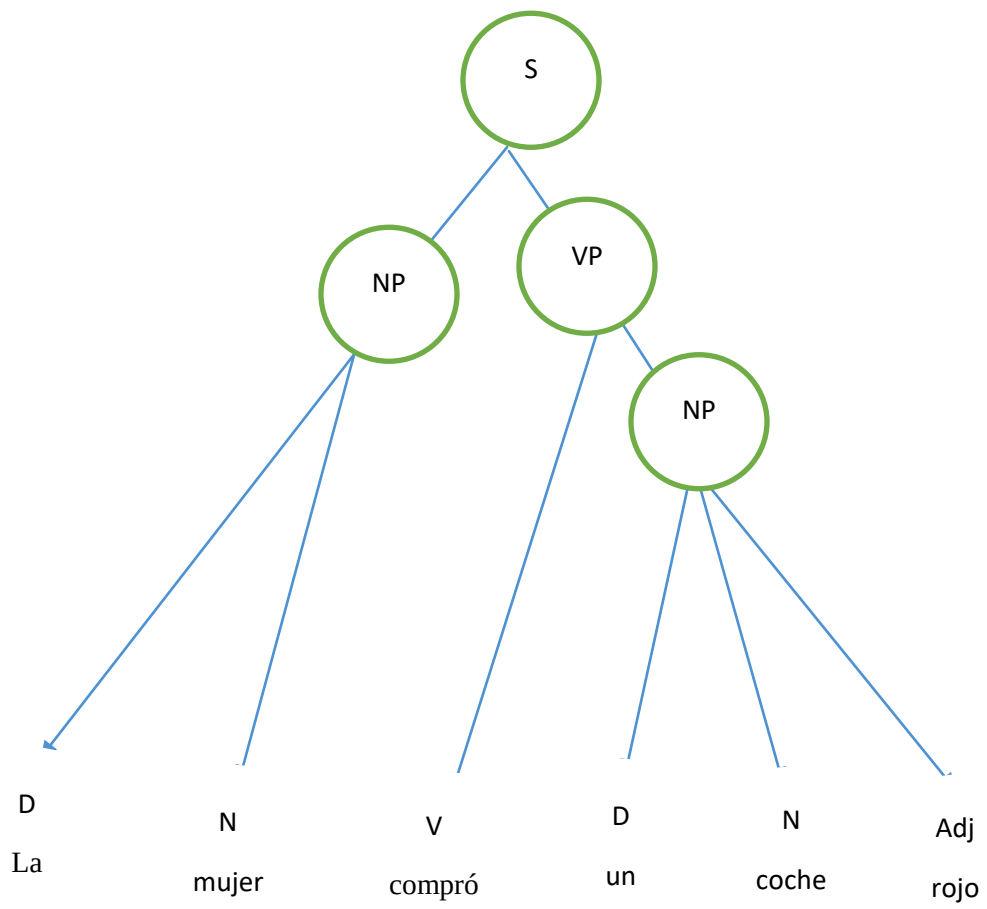
$S \rightarrow NP PP$

$NP \rightarrow (D) N$

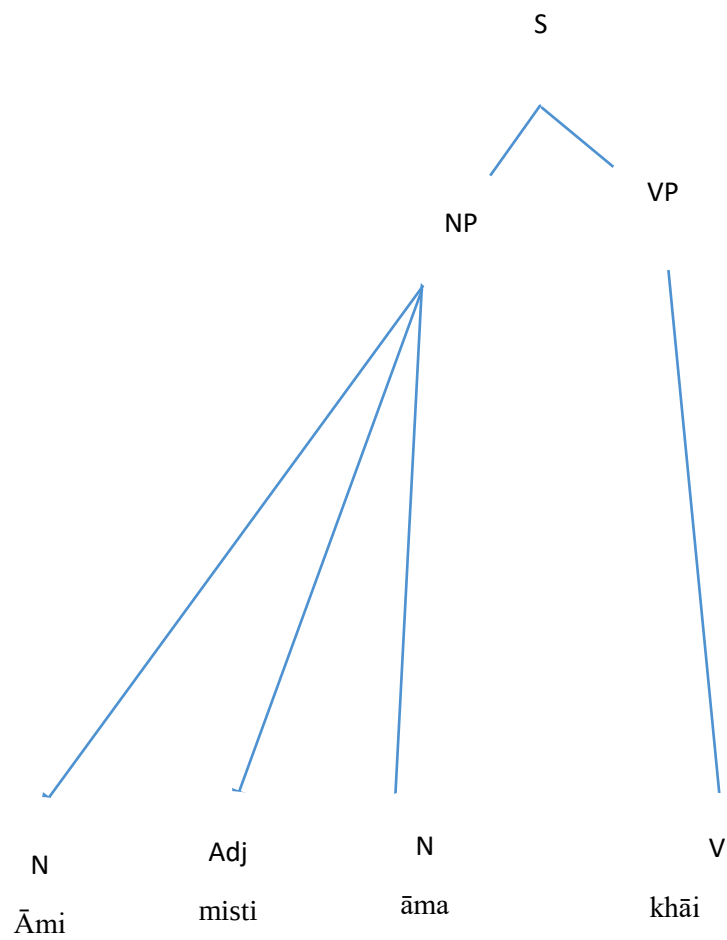
$VP \rightarrow V NP (Adv_p)$

Question 9

,

**Rules** $S \rightarrow NP VP$ $NP \rightarrow (D) N$ $VP \rightarrow V NP$

Question 10

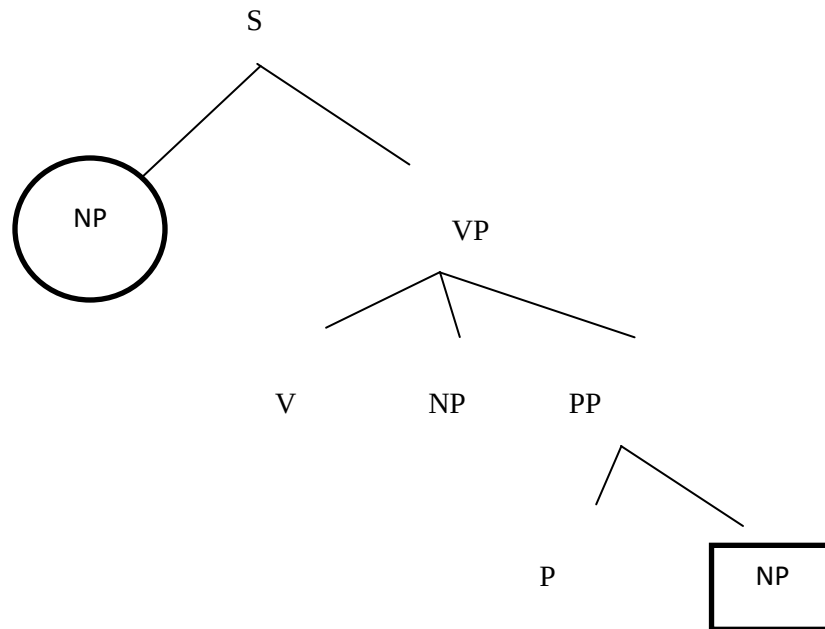


Rules

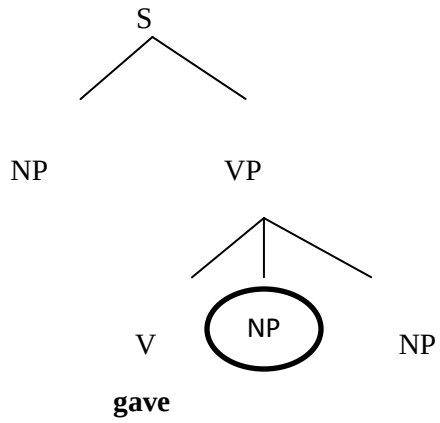
 $S \rightarrow NP VP$ $NP \rightarrow N (Adj)$ $VP \rightarrow V$

Part II

- 1.) In the following tree, which is for a sentence of English, circle the constituent that would be the subject, and draw a square around the constituent that would be the direct object:



In the following tree, which is for a sentence of English, circle the constituent that would be the **indirect** object (the “receiver” or the “goal”) when the verb is “gave”.



Question 13

He was a tall handsome man

