ID:	_ ICS 313-02(002) Quiz # 2	Dr. Mamdouh Najjar
Name:		
Question 1:		(8 points)
Complete the follow	ing statements.	
1	is the form or structure of the expressions, statements, and	
program units.		
2	is the meaning of the expressions,	statements, and program
units.		
3. A	is a string of characters over some alphabet.	
4. A	is a set of sentences.	
5. A	is the lowest level syntactic unit of a language.	
6. A	is a language used to describe another language.	
7. A	is a finite non-empty set of rules.	
8. A	is a repeated application of rules, starting with the start	
symbol and endir	ng with a sentence.	

Question 2: (4 points) Using the following grammar , show a parse tree and a left most derivation for the following statement.

 $\begin{array}{l} < assign> \rightarrow < id> := < expr> \\ < id> \rightarrow A \mid B \mid C \mid M \mid J \mid N \\ < expr> \rightarrow < expr> + < term> \mid < term> \\ < term> \rightarrow < term> * < factor> \mid < factor> \\ < factor> \rightarrow (< expr>) \mid < id> \end{array}$