Q.1) Compare between parser that use CFG to represent grammar and ATN parser (with examples), then write a complete prolog program for an ATN parser (for an Arabic sentence).

Q.2) Define (choose only five):

- Tokenization
- DTW
- KAHT
- Speaker dependent isolated word
- Understanding
- Interlingua idea

Q.3) What are the problems with: (choose only two)

- Speech recognition.
- Analyzing an Arabic sentence.
- EBMT

Q.4) What is the role of morphology in analyzing an Arabic sentence and in generating an English sentence (with examples).

Q.5) Write a prolog program to build a lexicon for some English words by using B*tree.