What is Natural language processing?

- Natural language processing is the field of artificial intelligence that is concerned with giving computers the ability to understand text and speech in its full meaning and context. It is a combination of machine learning and deep learning.

What is it used for?

- It is used in different fields regarding speech and text such as; speech recognition, text classification which involves assigning tags to text to put them into categories, Machine translation which involves translating a human language into another, Natural language generation which involves generating believable text and articles using unstructured data.

What is parsing?

- Parsing is one of many methods used to give meaning to text or speech. This is done by looking at a sentence and its syntax (the arrangement of words in a sentence to make grammatical sense), breaking it into different. An example could be "the dog barked", it will then break into different parts such as dog = noun, barked = verb.

What is a generation?

(don't know if I misunderstood the question)

- A generation is a sentence produced by a computer using data that can either be structured with correct syntax or unstructured. This process is called Natural language generation

https://www.techtarget.com/searchenterpriseai/definition/natural-language-processing-NLP

https://en.wikipedia.org/wiki/Natural_language_processing