**CSC 310 COMPILER DESIGN REVISION**

**describe the following**

1.) recursive descent parsing

**Recursive descent parsing** is a top-down parsing technique that uses a set of recursive procedures to process input. It starts with the root of the parse tree and recursively expands each non-terminal symbol until the input is parsed. Recursive descent parsing is a simple and efficient parsing technique, but it can only be used for a subset of context-free grammars.

2.) context free grammar

**Context-free grammar** is a formal grammar that describes the syntax of a language. It consists of a set of production rules that specify how to generate strings in the language. Each production rule has a left-hand side (a non-terminal symbol) and a right-hand side (a sequence of zero or more terminal and non-terminal symbols). Context-free grammars are used in computer science to describe programming languages, natural languages, and other formal languages.