

Unit-1:

- 1.what is complier? Write block diagram of phases of complier?
- 2.write differences b/w lexical & parser?
- 3.write about language processing system?

Unit:2

- 1.design a non-recursive predictive parser from following grammar? With any example?
- 2.discuss b/w brout-force approach operator in top-down parsing?
- 3.explain left recursion, left factoring?
- 4.take an example and verify whether the following grammar is LL (1) or not?
- 5.explain process of handling “dangling else” ambiguity?
- 6.write steps for construction of SLR parsing table? With an example?

Unit-3:

Write steps for efficient construction of LALR parsing table? explain with example?

Unit-4:

1.what is syntax tree? Write syntax directed def. for constructing a syntax tree for an expression. The grammar for an expression is given below .

$E \rightarrow E+T/E-T/T, T \rightarrow (E)/ID/num$

2.what is intermediate code? Explain different types of intermediate codes?

Unit-5:

1.write a short note on following,

- 1) s-attributed def. 2) L-attributed def.
2. explain role of intermediate code generator in compilation process?
3. write the quadruple, triple, indirect for given expression?
4. what is machine independent code optimizer? Explain?

Unit-6:

1. explain machine dependent code optimization? Explain?
2. what is inter procedural optimization?