

CD SESSIONAL –II IMPORTANT QUESTIONS

UNIT-3

1. Compare LR parsers.
2. Construct LALR Parsing Table for the following grammar

$S \rightarrow C C$

$C \rightarrow c C \mid d$

UNIT-4

- 1.Explain in brief about synthesized and inherited attributes with an example.
- 2.Differences b/w S-attributed and L-attributed grammars with examples.
- 3.Explain about different Types(Forms) of three address code Statements with example.
- 4.Quadraples,triples,indirect triples with examples.(like $a=b* -c + b* -c$)
- 5.Discuss about different storage allocation techniques(static, stack and heap allocation).

UNIT-5

CODE OPTIMIZATION:

- 1.Explain in brief about different Principal sources of optimization techniques(Local Optimization techniques, Loop optimization techniques) with suitable examples(i.e., Machine Independent opt or Transformation Techniques).

CODE GENERATION:

- 2.Explain the generic issues in the design of code generator.
- 3.Explain the different object code forms in detail.
- 4.Explain about peephole optimization with example.(Machine Dependent opt).