

Que 1 Difference between single pass & multi pass compiler.

Que 2 What is Inherently Ambiguous Grammar?

Que 3 Explain Recursive Descent Parser.

Que 4 Calculate First & Follow for Following Grammar

$A \rightarrow AcB | cC | C$

$B \rightarrow bB | id$

$C \rightarrow CaB | BbB | B$

Que 5 Using Shift Reduce Parsing solve grammar

$S \rightarrow TL$

$T \rightarrow int | float$

$L \rightarrow L, id | id$

Que 6 Solve this grammar using LR(0), SLR(1) Parser also make parsing table & take string $id+id*id$ create input processing table.

$E \rightarrow E+T$

$E \rightarrow T$

$T \rightarrow T * F$

$T \rightarrow F$

$F \rightarrow (E)$

$F \rightarrow id$

Que 7 Solve this grammar using CLR(1) & take string $aadd$ and make input parsing table through stack.

$S \rightarrow CC$

$C \rightarrow aC$

$C \rightarrow d$

Que 8 Solve this grammar using LALR in this que & show grammar is CLR not LALR

$S \rightarrow Aa | bAc | Bc | bBa$

$A \rightarrow d$

$B \rightarrow d$

Que 9 Solve this grammar using LALR & show this grammar is CLR & LALR both.

$S \rightarrow Aa | bAc | dc | bda$

$A \rightarrow d$

Que10 Construct Operator precedence parser & then parse the following string using the given grammar

$E \rightarrow E+E | E * E$

$E \rightarrow id$

And the string is $id+id*id$ also show the function.

Que11 Show the postfix of the following grammar using the Operator Precedence

$S \rightarrow xxW | y$

$W \rightarrow sz$

String is $xxxxyz$.