

Question 1: 1 Describe input buffering scheme in lexical analyzer .

Marks: 3

Question 2: 2 Construct a regular expression to denote a language L over  $\Sigma = \{0,1\}$  accepting all strings of

Marks: 3

Question 3: 3 Consider the context free grammar  $S \rightarrow aSbS \mid bSaS \mid \epsilon$  Check whether the grammar is am

Marks: 3

Question 4: 4 What is Recursive Descent parsing? List the problems faced in designing such a parser.

Marks: 3

Question 5: 5 a) Explain the different phases in the design of a compiler. b) Find the FIRST and FOLLOW

Marks: 9

Question 6: 8 Explain the main actions in a shift reduce parser

Marks: 3

Question 7: 9 What are different parsing conflicts in SLR parsing table?

Marks: 3