

CLASS ASSIGNMENT NO: 1Ques) $S \rightarrow 0B \mid 1A$

String: 00110101

 $A \rightarrow 010S \mid 2AA$ $B \rightarrow 1 \mid 1S \mid 0BB$

i) LMD ii) RMD iii) Parse Tree

Ques) $S \rightarrow ax \mid b$

String: aabab a

 $X \rightarrow xb \mid a$

i) LMD ii) RMD iii) Parse Tree

Ques) $S \rightarrow aB \mid bA$ $A \rightarrow a \mid aS \mid bAA$ $B \rightarrow b \mid bS \mid aBB$

Derive using LMD & RMD

a) aaabbb b) bbaaba c) aabbba d) aaabba bba

Ques) $S \rightarrow aAS \mid a$ $A \rightarrow SbA \mid SS \mid ba$

Derive aabbaa using LMD & RMD

Ques) $E \rightarrow E + E \mid E * E \mid (E) \mid id$ Give derivation tree for $id * (id * id) + id$