7 -7 -Symbob {an In /n>0 MT 1(G)\(=\) \((6')\) Mariables Simplifiel useless of simplification
Useless Symbol CFG eel(6)hselen production Eliminate Mull productions

e e 1(6') Elimination of unit-productions

minate reless A -> aS | bD mbob B - a Ba | b C - abb / DD D -> a Da Dis not gonerating 5 -> aAa aBC 20 m B-raBalb

C - a bb

Ans. B&C are N Which are general 5 is also generation because 5-22BC A is also generations
become A-1 as

(S) (A)

Substitutio Rule

nove all unit-productions from

$$S \rightarrow Aa|B,$$

 $B \rightarrow A|bb,$
 $A \rightarrow a|bc|B.$

$$\frac{1}{2}S \longrightarrow \Delta a | a | b c | b b$$

$$\frac{2}{3}B \longrightarrow \frac{6b}{3} | a | b c$$

$$\frac{3}{3}A \longrightarrow \frac{a}{3}|bc|bb$$

 $(E) \rightarrow (T) \rightarrow (E)$