

Question No. 1

A Total Language Tree has

All languages over Σ

All strings over Σ (Page 96)

All words of all languages over Σ

All words of one language over Σ

Question No. 2

What Turing Machine does not have?

Stack

Tape

Head

Word

Turing machine has stack but insertion and deletion can be done from both sides. Tape and head to.

Question No. 3

CFG given $S \Rightarrow bS|Sb|aa$ represents language

b^*aa

aab^*

b^*aab^*

$b^*(aa)^*b^*$

Question No. 4

A Language that is finite but not regular

Λ

$(a+b)^*$

Φ (not sure)

All strings of a's in $\Sigma = \{a, b\}$

جو لوگوں کے سامنے فخر کرتا ہے وہ لوگوں کی نظروں سے گرجاتا ہے