

Q#1 IDENTIFIERS:-

Start from - or letter and contains at least one "-"

$$L = \{-rate\ 2, -rate\ -, rate\ 2, \dots\}$$

$$R.E = \{-[a-zA-Z0-9_]*[a-zA-Z]$$

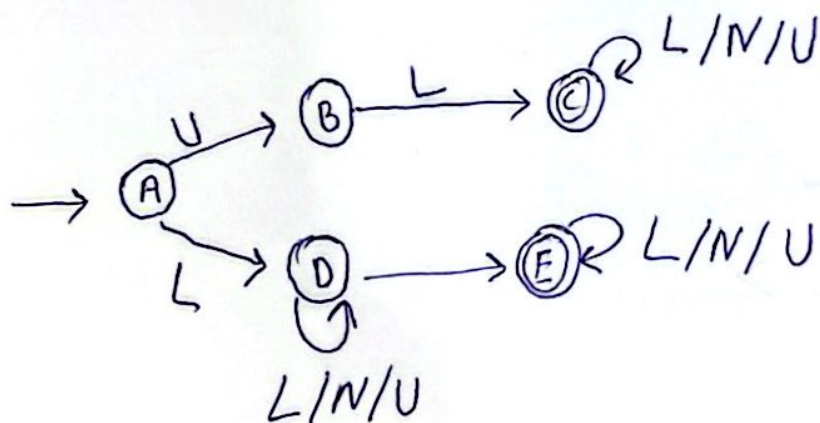
$$[a-zA-Z0-9_]*-[a-zA-Z0-9_]*\}$$

FA:

- (Underscore) \rightarrow U

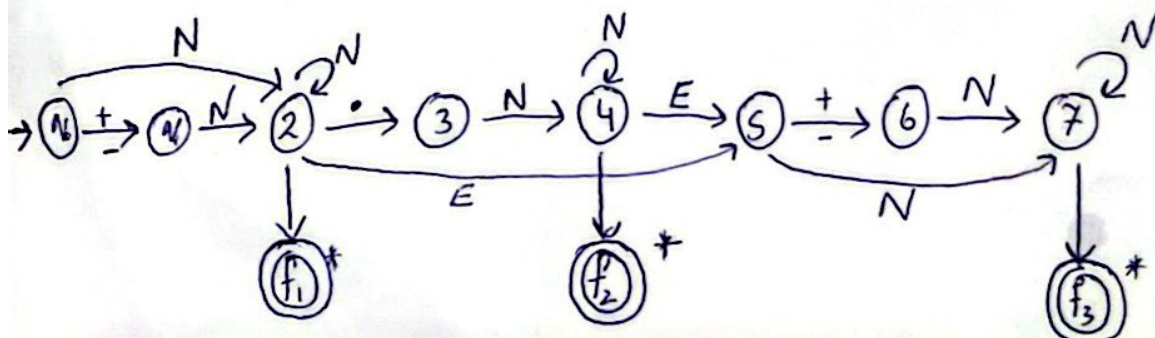
Letters \rightarrow L

Numbers \rightarrow N



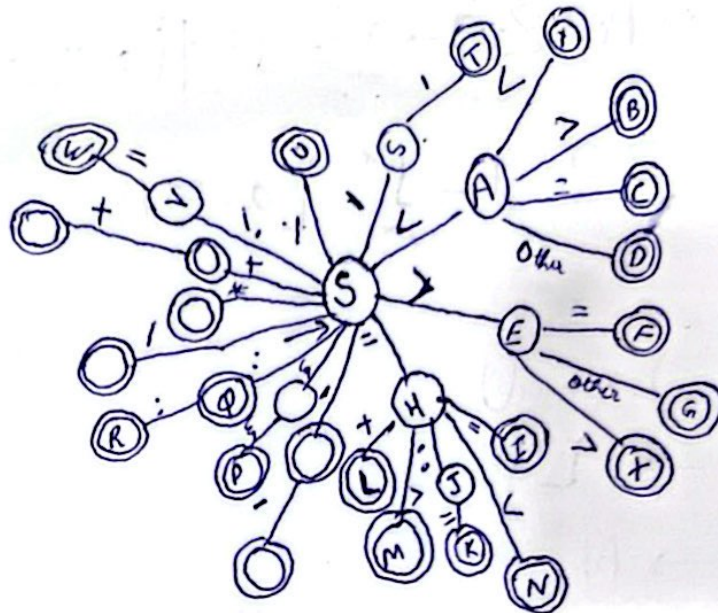
Q#2 NUMBERS:-

$$R.E = (+/-)? N^+ (.N^+)? (E (+/-)? N^+)$$



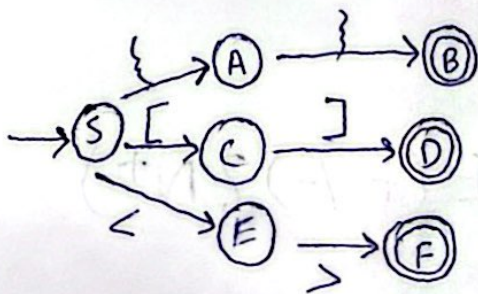
Q#3: OPERATORS:-

R.E = $\{ \mid \langle \rangle \mid = \mid : \mid / * / + / / - \mid > \mid \langle \mid + + \mid = + \mid \&\& \mid \mid \mid \Rightarrow \mid \cdot \mid$
 $\times \mid : \mid : \mid - -$



Q#4: PUNCTUATION:-

R.E = $\{ \} \mid [] \mid \langle \rangle$



Q)5) Keyword

R.E = loop / agar / megar / asm / else / new / this / auto / enum / operator / throw /
bool / explicit / private / true / break / export / protected / try / case / extern / public /
typedef / catch / false / register / typeid / char / float / typename / class / for / return /
union / const / friend / short / unsigned / goto / signed / using / continue / if / sizeof /
virtual / default / inline / static / void / delete / int / volatile / do / long / struct
/ double / mutable / switch / while / namespace.

