| | Date: |
|-------------|--|
| <u>(</u> į) | Regular Expression: (a+ba+bba) (bb+b+ E) |
| | -> (+) -b -> (+) |
| | a |
| _V) | Regular Expression: "11" |
| | Regular Expression: a bb a |
| 4 | T) (F) (F) (F) (F) (F) (F) (F) (F) (F) (F |
| | a Sa,b |
| vii) | R.E: (lab+ba)(aa+bb)*(ab+ba)*b((ab+ba)(aa+bb)* |
| | (ab+ba))* |
| | $\rightarrow 0$ |
| + | b () b b () b |
| | |
| vi) | R.E = (bababab*ab*)*(b*ab*ab*) |
| | Up Up Up |
| | 30°00°00°00°00°00°00°00°00°00°00°00°00°0 |
| | a |
| 14 | |
| - i | |
| , " | |

-: Section - B:-

1) R.E = [(] \(\frac{1}{1} \left[A - \frac{1}{2} \right] \right] \\ \frac{1}{1} \left[A \right] \\ \frac{1}{2} \left[A - \frac{1}{2} \right] \\ \frac{1}{2}

2) R.E = [(] {1} \d {2} [)] {1} [\] {1} \d {3} [)] {1} [\] {1} [(] {1} \d {3} [)] {1} [\] {1} [(] {1} \d {3} [)] {1} [\] {1} [

D2) here, $E = \{comp, imp, visus, a-3\}$ $R.E = (comp(a-z)^* + imp(a-z)^*) (z0^*(a-z)^*)(visus)$

D3) here, $\Sigma = \{a, e, i, 0, u\}$ $\Sigma_2 = \{b, l, d, m, x, m, n, s, t, c\}$ $\Sigma = \{E, \Sigma_2\}$ $R.E = (\Sigma_2 \Sigma_1)^{\dagger} \Sigma_2^{*}$

E. E. Er 04) $\Sigma = \{(!@#&$:/\2*), (0-9), (A-2), (a-2)\}$

R.E = (E, + E2+ E3+ (E1+ E2+ E3+ E4)+)+

 $S = \{PK, (0-9), (A-2)\},$ $R.E = \{E, \{E_2\}, \{E_3\}, \{E_4\}, \{E_2\}, \{E_4\}, \{E_4\},$

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