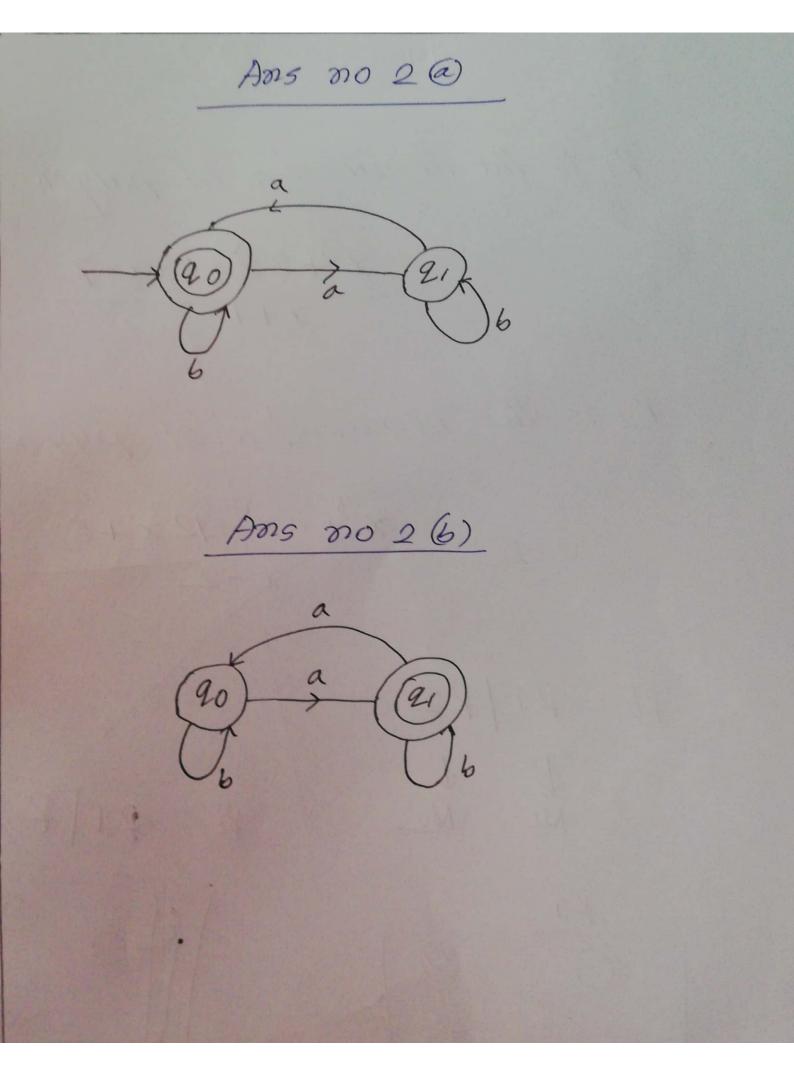
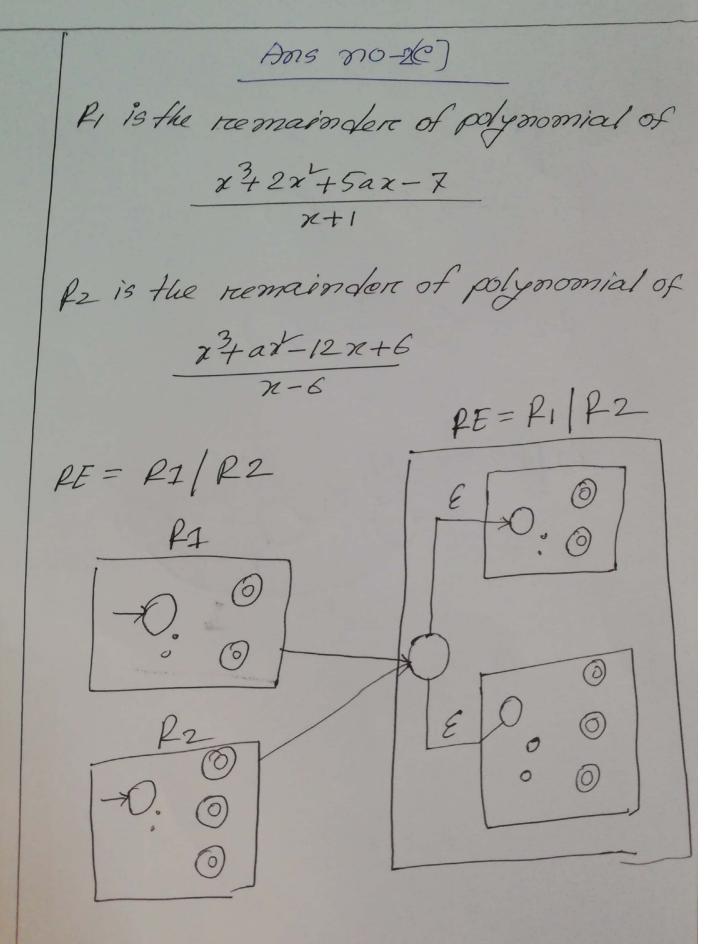
Ans no-1 a

We know that, DFA stands for Deterministic Finite Automata. The process of reducing a given DFA to its minimal form is called as minimization of DFA It Contains the minimum number of States. The DFA in its minimal form is called as Minimal DFA.





Ans no 2-(d)

P1 / P2

P1 - 0 - 60

P2 -> 0 -> 0

Ans no 3 @

The only difference is that a pushdown automata can only access stored data in a last-in-first-out sequence, whereas a Turing machine can scan through memory autitra aribit rarily.

Ams no 36)

00001111

CFG
$$L = \begin{cases} 0^{n} | n | n \ge 0 \end{cases}$$

$$S = 01 | 0.91$$

$$S = S$$

$$V = 01 | 0.91$$

$$L = \begin{cases} 0.0011, 0.00111, 0.0001111 - - - \frac{50\pi 0}{50\pi 0} \end{cases}$$

$$for 0.01$$

$$S \to 0.0011$$

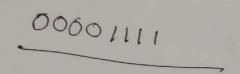
$$S \to 0.91 \to 0.0011$$

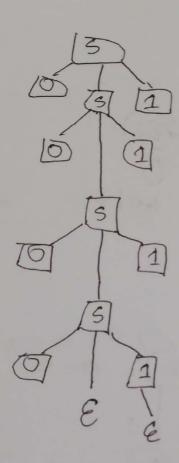
$$S \to 0.91 \to 0.00111$$

$$S \to 0.91 \to 0.00111$$

for 00001111 57081 -> 00511 -> 005111 -> 00 Prese free 04 0011 000111:

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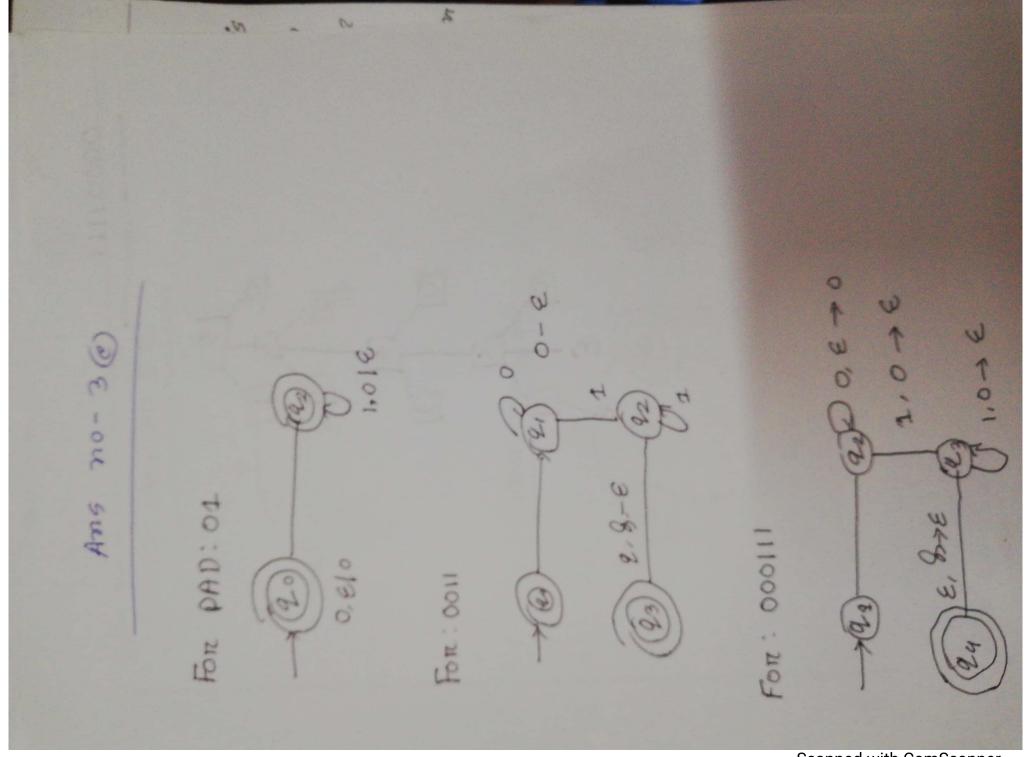
Ans no 36)

00001111

Ans no-4(a)

Base 10 The decimal number 23310 and 14s Connesponding binary equivalent 111010012 are interpreted respectively as: $2\times10^2+3\times10'+3\times10''$ and $1\times2^7+1\times2^6+1\times2^5+0\times2^9+1\times2^3+0\times2^1$

+1x2°



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