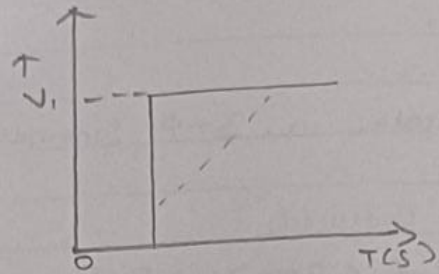
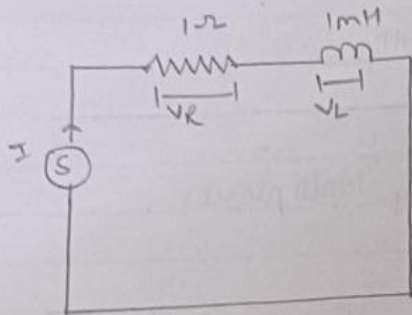


\* Circuit :



$$V = IR + L \frac{di}{dt}$$

$$V(s) = I(s) R + L s (I(s))$$

$$I(s) = \frac{V_s}{R + Ls}$$

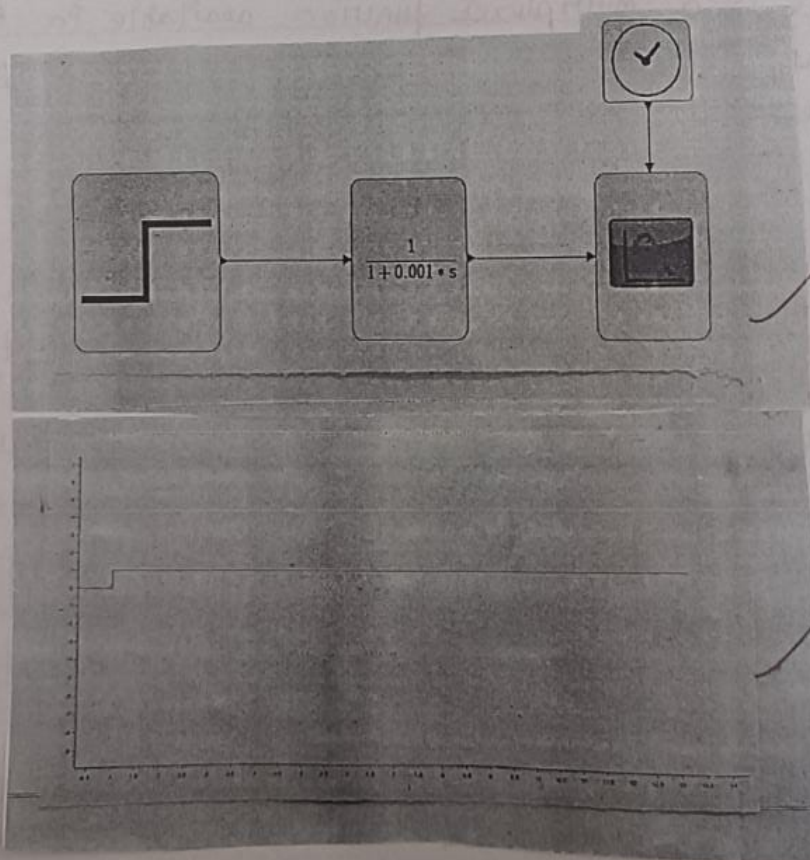
$T =$  Time constant.

$$T = \frac{L}{R}$$

$$T = 10^{-3} \text{ s}$$

$$L = 1 \text{ mH}$$

$$R = \frac{L}{T} = 1 \Omega$$



2 Circuit:

