

- Q4. The switch in Figure 4 has been in position *a* for a long time. At time $t = 0$, it moves to position *b*. Calculate $i(t)$ for all $t > 0$.

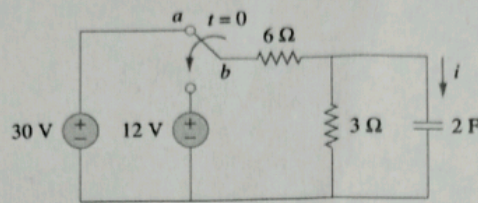


Figure 4

10 M

- Q5. Construct the network graph for the circuit given in Figure 5. Find the incidence matrix. For a tree consisting of (4, 5, 6), develop tie-set matrix and cut-set matrix.

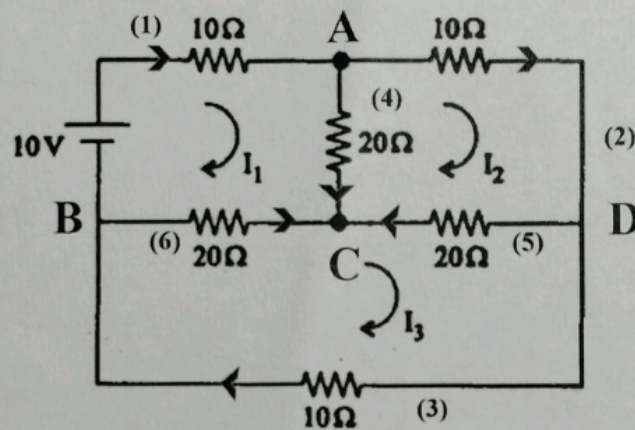


Figure 5

10 M