

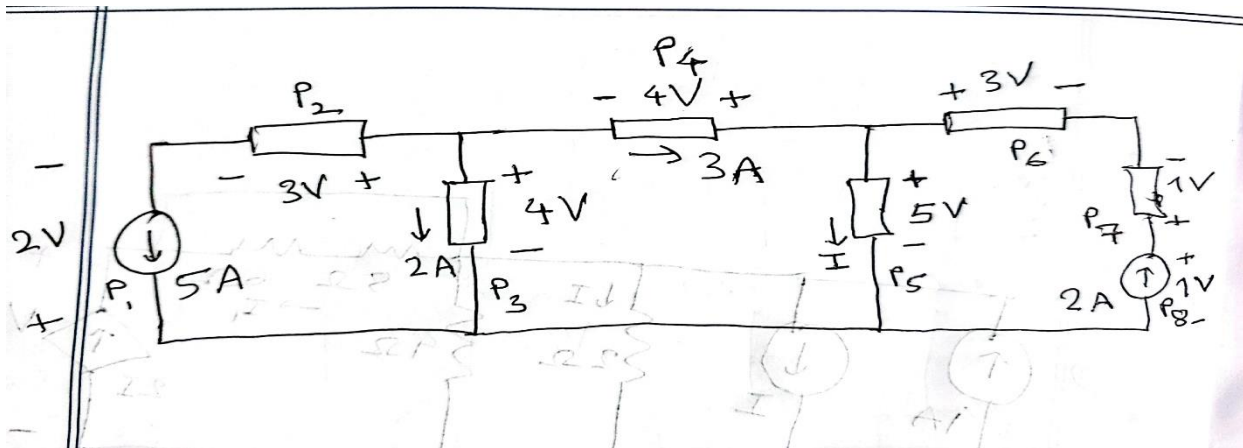
Quiz – 1 (Set - A) (20 mins)

Name -

ID -

1. **Determine** the work done if a  $-5 \text{ mC}$  charge is transferred from a potential of  $-7 \text{ V}$  to  $17 \text{ V}$ ? (2)  
[CO1]

2. **Determine**  $I$  and the power in each element. **Explain** whether the element absorbs/supplies power. (10) [CO1]



3. Determine  $V_1$ ,  $V_2$ ,  $I$  and the power absorbed/supplied by the dependent source. Show how many nodes are in the circuit. (8) [CO1]

