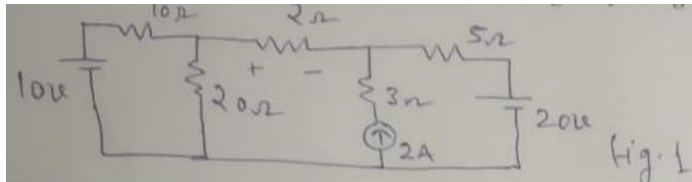


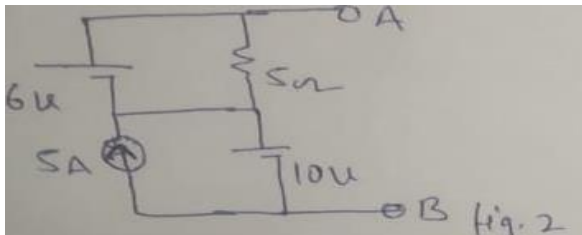
JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY
Electronics and Communication Engineering
Electrical Science-1 (15B11EC111)
Tutorial Sheet: 5

Q1. [CO2] Find the voltage across 2Ω resistor in fig. 1 by using Superposition theorem.

Ans.(-3.41 volt)

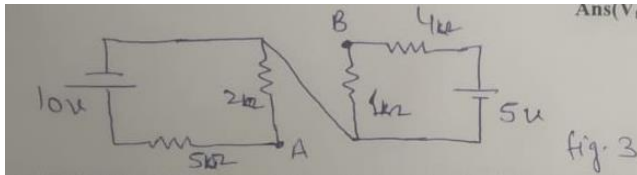


Q2. [CO1] Determine the voltage across the terminal A & B in the shown fig. 2. Ans(16 V)



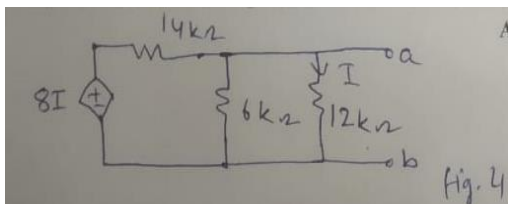
Q3.[CO2] Determine the Thevenin's equivalent circuit across terminal A &B for the fig. 3.

Ans($V_{th}=1.85V, R_{th}=2.23K\Omega$)



Q.4[CO2] Find the thevenin's equivalent circuit of the shown fig. 4.

Ans($V_{th}=0, R_{th}=3.12K\Omega$)



Q.5[CO2] Find V_{th} and R_{th} in the circuit shown fig.5 .

Ans($I_{sc}=1.5A, R_{th}=24/13, V_{th}=36/13V$)

