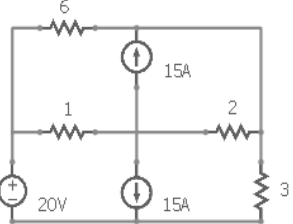
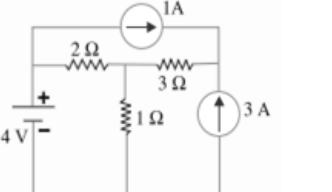
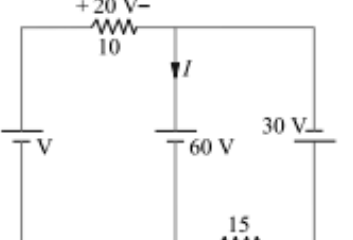
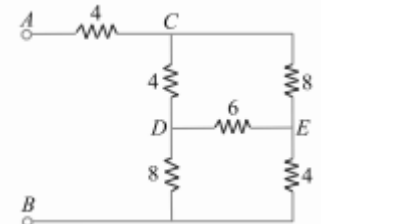
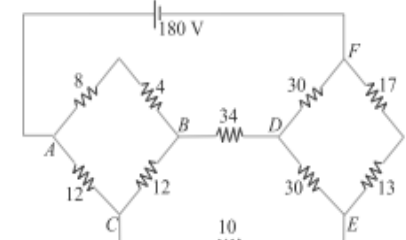
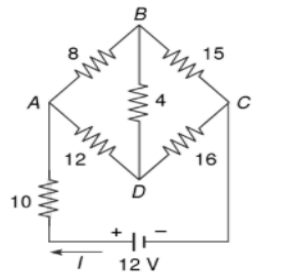
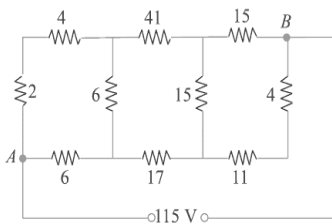
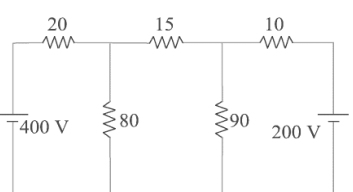
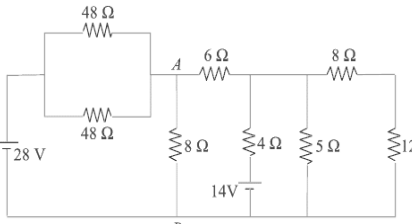
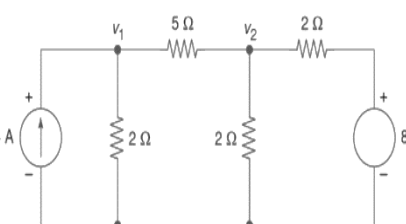




Bharatiya Vidya Bhavan's
Sardar Patel Institute of Technology
 Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058-India
 (Autonomous College Affiliated to University of Mumbai)

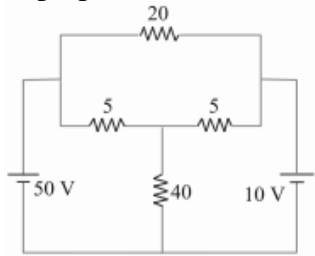
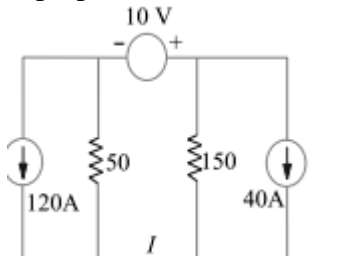
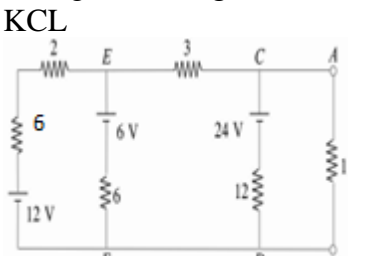
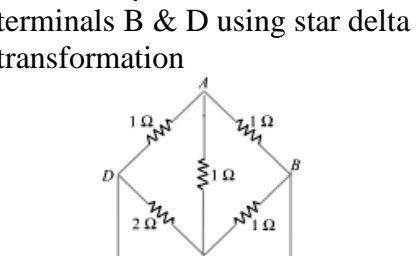
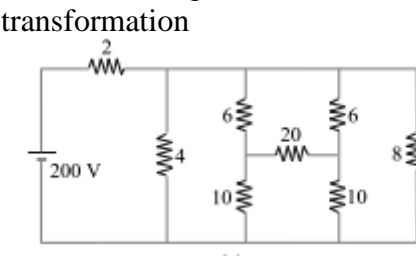
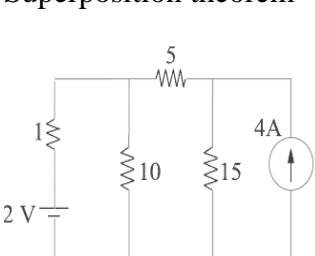
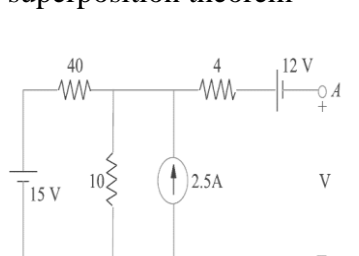
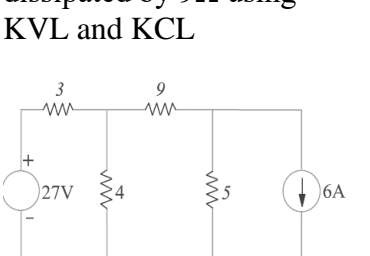
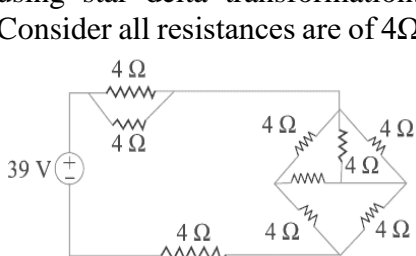
Applied Science and Humanities Department

Batch X1	<p>1. Calculate $V_{3\Omega}$ using Superposition theorem</p> 	<p>2. Find $I_{1\Omega}$ using superposition theorem</p> 	<p>3. Calculate V and I using KVL and KCL</p> 	<p>4. Calculate I through circuit if 9V battery is connected across terminals A & B using star delta transformation</p> 	<p>5. Calculate current through 10Ω resistance using star-delta transformation</p> 
Batch X2	<p>1. Find I using star-delta transformation.</p> 	<p>2. Calculate current through 17Ω resistance using star-delta transformation</p> 	<p>3. Calculate current through 90Ω using KVL and KCL</p> 	<p>4. Calculate $I_{8\Omega}$ using Superposition theorem</p> 	<p>5. Calculate V_1 and V_2 using Superposition theorem</p> 



Bharatiya Vidya Bhavan's
Sardar Patel Institute of Technology
 Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058-India
 (Autonomous College Affiliated to University of Mumbai)

Applied Science and Humanities Department

Batch X3	<p>1. Calculate $I_{40\Omega}$ using Superposition theorem</p> 	<p>2. Find I using superposition theorem</p> 	<p>3. Calculate current through 1Ω using KVL and KCL</p> 	<p>4. Calculate I through circuit if 13V battery is connected across terminals B & D using star delta transformation</p> 	<p>5. Calculate current through 8Ω resistance using star-delta transformation</p> 
Batch X4	<p>1. Calculate $I_{10\Omega}$ using Superposition theorem</p> 	<p>2. Find V using superposition theorem</p> 	<p>3. Calculate power dissipated by 9Ω using KVL and KCL</p> 	<p>4. Calculate I through battery using star delta transformation. Consider all resistances are of 4Ω</p> 	<p>5. Calculate current through 11Ω resistance using star-delta transformation</p> 