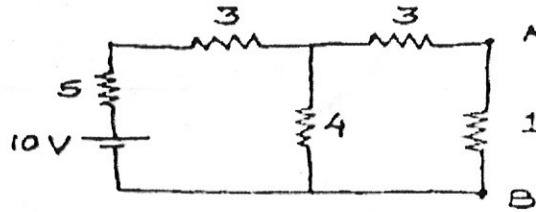


Maximum Marks : 20

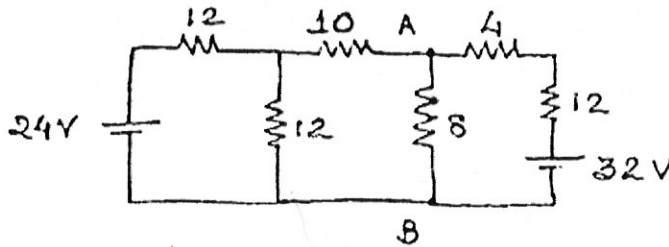
Duration : 1 hour

Note: Attempt any four questions, each question carries equal marks.

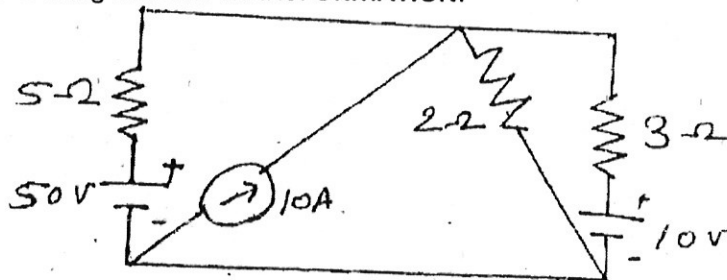
Q.1 Find current through $1\ \Omega$ using MESH ANALYSIS.



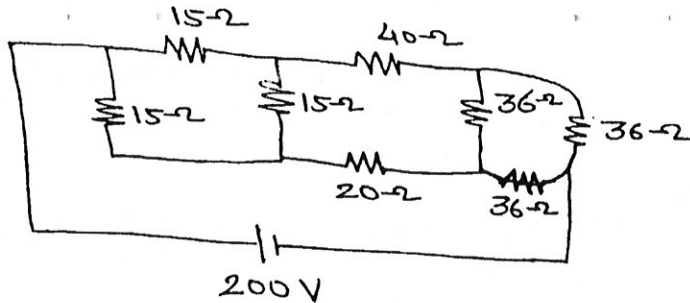
Q.2 Find current through $8\ \Omega$ using THEVENIN'S THEOREM.



Q.3 Find current through $5\ \Omega$ using SOURCE TRANSFORMATION.

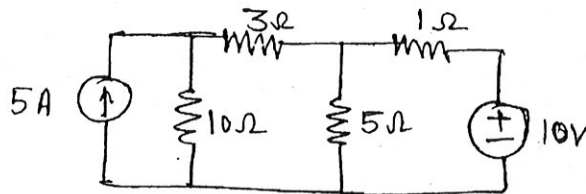


Q.4 Find current through $20\ \Omega$ using STAR-DELTA TRANSFORMATION.



Q.5 Find current through $3\ \Omega$ using NODAL ANALYSIS.

ANS = ?



Q.6 Find current through $5\ \Omega$ using SUPERPOSITION THEOREM.

