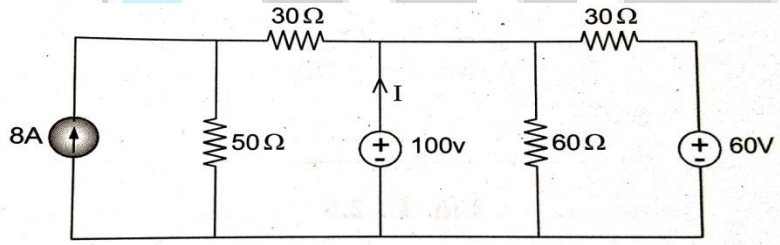
ASSIGNMENT : 1

1. State the Superposition theorem. Explain the method of solving a network by the use of this theorem.

2. State Thevenin's theorem and discuss its importance in the network theory.

3. State Maximum power transfer theorem. For which type of circuit is it generally applied?

4. Determine the current i through 100V source in the network of fig. using Super position theorem.



5. Obtain Norton's equivalent circuit across the terminals AB for the network show in fig.