

DEPARTMENT: ELECTRICAL

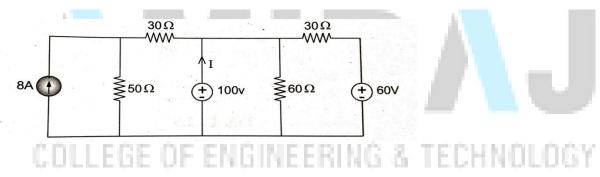
SEMESTER: III

SUBJECT CODE: 3130906

SUBJECT: ELECTRICAL CIRCUIT ANALYSIS FACULTY NAME: ASST PROF. ANKUR JHA

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.

