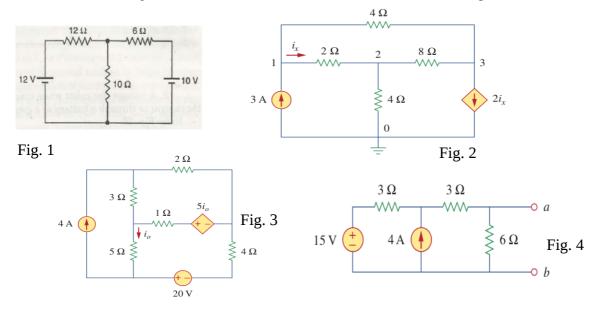
Dept. of Computer Science and engineering

Class Test 2 APEE1131 (Electrical Circuits and Electronics)-2017

Full Marks: 20 Time: 1 (One) Hour NB: Answer all Questions. (4x5=20 Marks)

- 1. Find the current through each resistor and voltage drop across each resistor of the circuit using branch current analysys method is shown in fig. 1.
- 2. Determine the voltages at the nodes in the given circuit by using nodal analysis is shown in fig. 2.
- 3. Find i_0 in the circuit using superposition theorem is shown in fig. 3.
- 4. Find the Norton equivalent circuit for the circuit at terminals a-b is shown in fig. 4.



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