

Daffodil International University

Department of Computer Science and Engineering Faculty of Science and Information Technology

Mid Term Examination, Semester: Fall - 2019

Course Code: CSE 132

Section: All

Course Title: Electrical Circuits

Course Teacher: All

Time: 1.5 Hours

Full Marks: 25

Answer all the questions

Q1. State and explain Kirchhoff's voltage law (KVL).

5

Q2. Calculate the equivalent resistance R_{eq} for the circuit of figure 1.

4

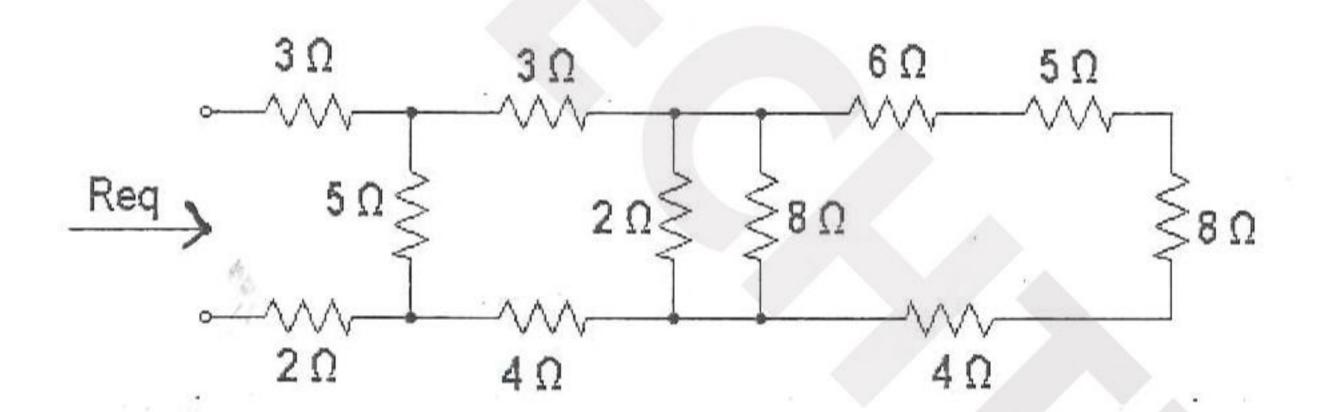


Figure 1

Q3. Determine Current I, i1, i2, i3, i4 for the circuit of figure 2.

4

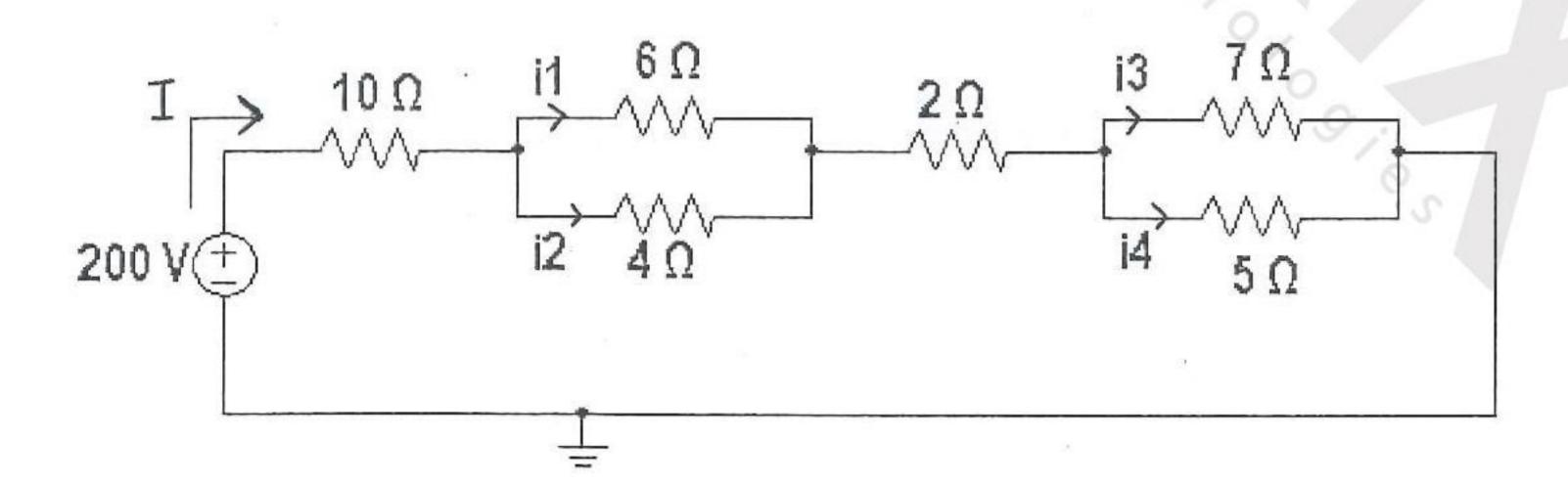
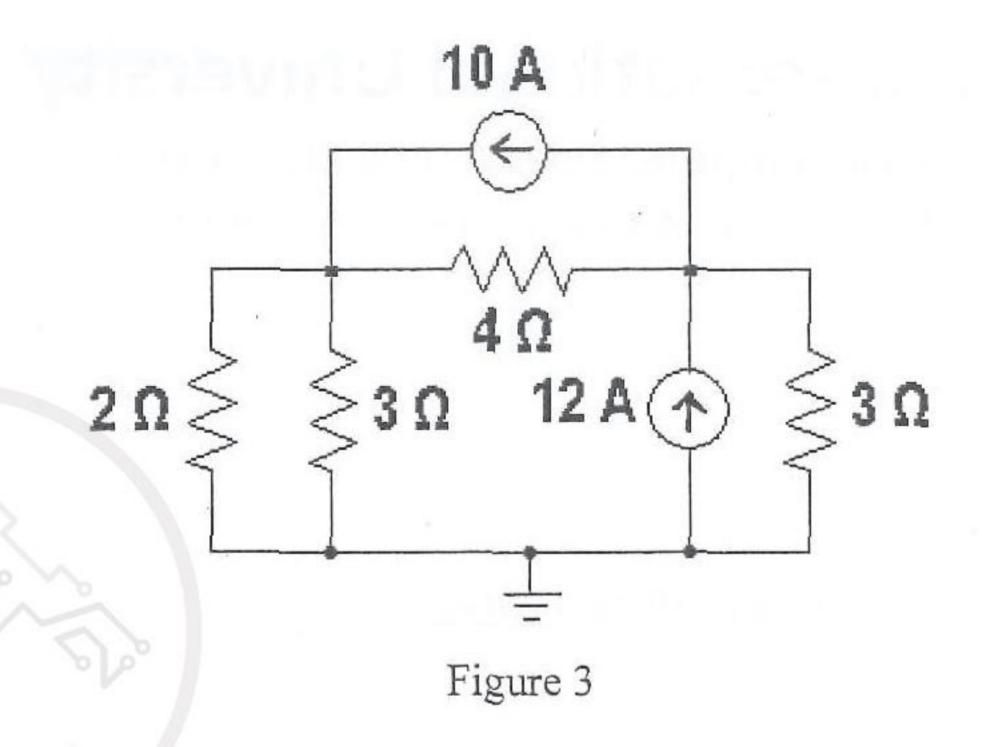
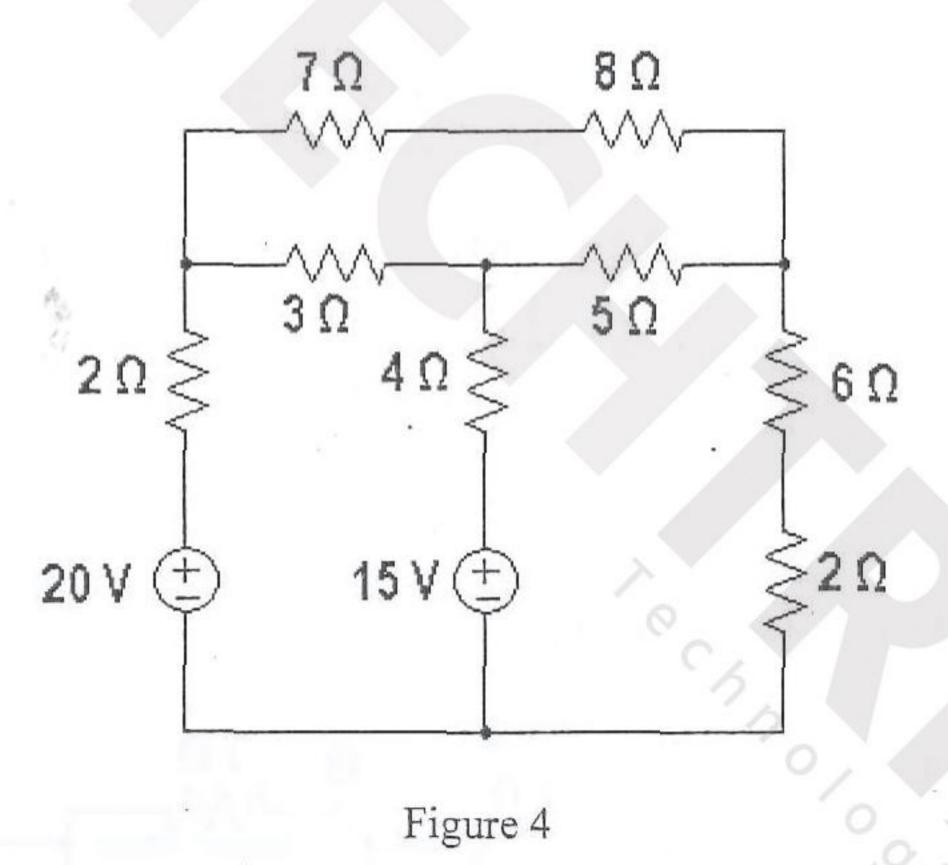


Figure 2



Q5. Using Mesh analysis, determine loop currents for the circuit of figure 4.



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