



Faculty of Electrical & Electronics Engineering
DEE3143 Basic Electrical Machine & Power System

Name: _____

ID: _____

Section: _____

Date: _____

(Failed to complete all the particulars above will be penalized 2 marks)

QUIZ 1

Question

A simple power system is shown in Figure 1 below and all parameters within the Figure 1. Find the current at the generator, I_G , transmission line, I_{line} and load, I_{load} . Analyze the power loss, P_{loss} in the transmission line.

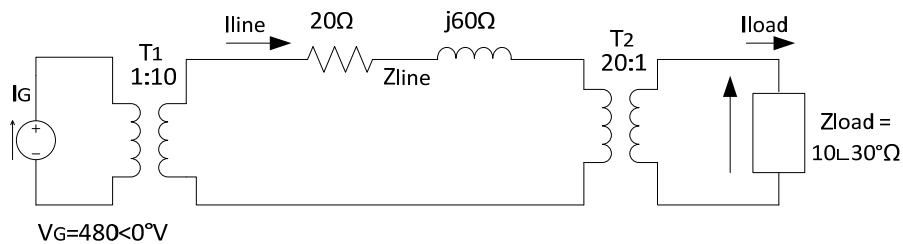


Figure 1

[10 marks]