QUIZ NO. 13

This quiz deals with finding the open-loop gain and it application. The following questions are independent of each other.

- (a.) Find the loop gain of the feedback circuit shown, T(s), if the amplifier is an ideal voltage amplifier with a gain of K.
- (b.) If $T(s) = \frac{sKRC}{s^2R^2C^2 + 2RCs + 1}$, find f_{osc} and the value of K necessary for oscillation.
- (c.) If T(s) has the following properties: T(0) = 10 and two poles at s = -100, what is the phase margin of this feedback circuit?