PY212

**Quiz 9**

A 20.0 F capacitor is charged by a 150.0 V power supply, then disconnected from the power and connected in series with a 0.280-mH inductor. Calculate:

1. the oscillation frequency *f* of the circuit
2. the energy stored in the capacitor at time t=0 ms (the moment of connection with the inductor)
3. the energy stored in the inductor at time t= 1.30 ms