

PHYSICS – 201
(Term 061)
QUIZ # 2

Instructor: Dr. Al-Solami

Student's Name _____ ID # _____ Sec _____

Q. 1 In an RLC circuit, $U_m=10\text{ V}$, $R = 10\Omega$ and $L = 1.0\text{ H}$, and $C=1.0\ \mu\text{F}$. Find the amplitude of the voltage across the inductor at resonance.

Q. 2 At what frequency would a, $10\ \mu\text{H}$ inductor and $10\ \mu\text{H}$ capacitor have the same reactance?