Pulled from an old book by request:

18.33: a)0.357m b)0.715m

18.34: a)536 Hz b)42.9mm

18.35: a)0.656m b)1.64m

18.40: fundamental=206 Hz and fundamental = 84.5 Hz

18.44: a)multiples of 0.0858 Hz b)Nope. Harmonics are very closely spaced so resonance is likely

18.47: a) 1.59Khz Nothing this complicated on exam

18.48: L=1.16m Nothing this complicated on exam (but a nice exercise in boundary conditions!)

17.18: a)5x10^-5 W b) 3x10^-3 J

17.19: 66 dB

17.20: 0.082 W/m^2

17.25: a)0.691 m b)691 km

17.29: a)1.32x10^-4 W/m^2 b)81.2 dB

17.30: a)65dB b)67.8db c)69.6dB

17.33: a)30m b)9.49x10^5m

17.63