

P347 Exam Practice:

Ch 9: E&M and Poisson-Boltzmann:

problems: 9.2, 9.6, 9.7

Ch 10: Beams and Elasticity:

problems: you did 10.5 and 10.6 on A5. Look at the buckling example on pp. 393-396 and in my notes. I never had the chance to cover this problem in class.

Ch 11: Membranes:

problems: look at examples in section 11.3.

Ch 12: Fluid flow/viscosity:

problems: 12.1, 12.5a

Ch 13: Diffusion:

problems: 13.1, 13.7

Ch 17: Neurons: we never got beyond section 17.4.4

problems: 17.1, 17.4, 17.5, see if you can redo the calculation of the equilibrium values of c_2 that we did in class, given that c_1 are given and that ΔV is needed to be the same for all 3 species.