



PHAR 632

Workshop Assignment

Please answer all these questions individually and turn them in typed together with this question page on Monday September 21, 2015 before 1:30 pm at my office room # 214.

1. Compare and contrast the useful properties of various solvents used in Pharmaceutical solutions.(you can put it in a table)
2. Discuss the benefits and contraindications of using syrups and elixirs.
3. How does gastric emptying affect drug absorption?
4. 50% of a weak acid is in an **ionized form** in a solution with pH of 5 what is the pK_a value for the weak acid?
5. Aspirin has a pK_a of 3.4. What is the ratio of (ionized) A^- to (unionized) HA in:
 - (a) the blood (pH = 7.4)
 - (b) the stomach (pH = 1.4)

Note: You have to find the ratio between A^- and HA so the concentrations are not needed.