

**PHAR 632****Workshop Assignment**

Please answer all these questions and turn them on Tuesday October 20, 2015 at the beginning of the lecture. (Turn in one copy per team) Will be discussed in class please be prepared for the discussion.(total 5 questions)

1. A drug firm was making sugarcoated tablets for so many years. Once a batch was made and it got rejected by quality control because of partial separation of the top layer of the tablets.
What might have caused the appearance of the tablet and how might that be overcome?

2. Please indicate the use of each ingredient. And what is the method used?

Formula	%	Uses
Theophylline	30	
Anhydrous lactose	65	
Croscarmellose sodium (Ac-di-Sol)	2	
Granulating fluid (10%PVP)	qs	
Stearic acid	1	

3. A drug contains the following ingredients.
- Indicate the usage for the listed ingredients. (why are they added)
 - What type of Dosage form is this?
 - What is the advantage of this dosage form?

Formula	Uses
Drug	
Citric acid	
Tartaric acid)	
Sodium Bicarbonate	
Fructose	

4. Compare and contrast wet granulation and dry granulation.

5. What is the role of an emulsifying agent in an emulsion? What determines the choice of a certain type of emulsifying agent? For example why would you pick acacia when making an emulsion?