Part Four: INCOMPATIBILITY	
RxZn sulphate4Sulfurated Potash4Waterad.100	-White ppt of Zn polysulphides due to reaction between ZnSo ₄ and sulfurated potash - Intentional incompatibility
Calomel 0.3 Glycerin 2.0 Lime Water 90.0	- ppt of (Hgo + Hg) due to reaction between Znco ₃ and Ca(OH) ₂ - Intentional incompatibility
Sodium phenobarbital gr vi Elixir lactated pepsin f I	-ppt of phenobarbital due to acidity of the elixir - Unintentional incompatibility
Atropine sulphate 0.006 g Phenobarbital 0.360 g Ft. Caps i mitte XII Sig Caps i t.d.s.	-The physician intended that the prescription devided into 12 doses but he wrote the wrong direction - Call him to correct by dividing on 12 for each capsule
Codeine Phosphate 15 mg Ammonium Chloride 500 mg Ft. Caps i mitte XX Sig Caps ii q h for cough	-The physician intended to write q 4 h (improper frequency) - it must be a dose every 4 hours not every hour
Benemid 500 mg Aspirin 300 mg Ft. Caps, mitte XX Sig Caps / a day for gout	-Antagonismic combination between probenecid and aspirin ie: ineffective prescription - Consult the physician to correct (change one of them)
Sulphadiazine 250 mg Sulphamerazine 250 mg Ammonium chloride 500 mg Ft. Caps i mitte XXX Sig: Caps ii q 4 h for cough	-Contraindicated combination, urinary acidifiers as amm chloride cause pptn of sulpha drugs in kidney ie: renal stones - consult the physician to change the acidifier
Acetophenetidin 2.5 gm -Acetyl salicylic acid 3.5 gm Caffeine 0.5 gm	-partial dose of affeine added to overcome (antagonise) the cereberal depression action of acetophenetidin - intentional incompatibility
Terpin hydrate 3.0 Simple syrup ad 120	-Terpin hyrate is insoluble in simple syrup - half of the syrup (the vehicle) is replaced by alcohol
Phenol 2% Sod. Sulphate 5% Distilled water to 120 Ft. Solution	- phenol will salted out by sod sulphate - dissolve the phenol in 10%(w/w) glycerin and add Na ₂ So ₄ as dilute solution

	Tr Nux Vomica 10 Amm. Chloride 7 Distilled water to 90 Ft. Solution	-Tincture is extract by alcohol so the extracted matter will pptate when mixed with water -Altration of vehicle is the solution
	Aminopyrine gr v Codiene sulph gr 0.25 Belladonna extract gr 1/6 Acetyl şalicylic acid gr iii Ft. Caps i mitte XII Sig Caps i m.d.u.	-Liquefaction (eutaxia) appears within few days due to interaction between aspirin and aminopyrine also green colour appear due to intensification of the extract color as it became wet - add adsorbent as Kaolin or mgco ₃
	Mg Carb. 3.75 Sod. Bicarb. 7.50 Citric acid 7.55 Distilled water to 250 Ft. Solution	-The amount of citric acid is insufficient to neutralize and solubilize both carbonates so if sod bicarb. Is reacter first with the acid some mg carb. Will be insoluble and suspension will result - the order of mixing is important so mg carb. Is first solubilized by citric then na bicarb is added
	Terpin hydrate 2 Alcohl 15 Glycerin 20 Wild cherry syrup QS 60 Ft. Solution	ml - increase the alcohol content to 40% to obtain clear soln
	Ephedrine sulph Terpin hydrate Elixir phenobrbital to Ft. Solution 0.1 60 60	
	Mercuric iodide gr iii Thymol gr v Water QS I Ft. Solution Sig: to be pplied to the knee	
		-Ephedrine sulphate (alkaloidal salt) is oil insoluble replace the salt by anhydrous ephedrine base (oil soluble) and adjust the dose to 0.33 gr
	Codiene sulph gr iii Terpin i Olive oil i Ft. Solution	- The same incompatibility as the previous example - Use the alkalodal base which dissolve in olive by gentle heating and adjust the dose then cool before addition of terpin
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Strychnine HCl Sod. Bromide Alcohol Syrup Water to Ft. Solution	 Strychnine will pptate in presence of bromides or iodides if alcohol content is less than 12% which is the case here Reduce the amount of vehicle to half of the directed volume to raise the alcohol ratio in the prescription to the desired ratio and use also half dose
Sod. Bicarb. 10 gr. Sod. Citrate 5 gr. Peppermint water to 60 gr. Ft. Solution Sig. i t.d.s.	m while solubility of sod bicarb is 1/10 ie: it requires 100
Codiene sulph 4	- Codiene sulphate + amm. Chloride in small portion of water (water in syrup) will give ppte of codiene tannate (tannic acid from cherry) -Dissolve both drugs in separate portions of syrup then add to fluid ounce of glycerin (as co solvent) then adjust the volume with syrup.
Sod. Citrate iv Ca bromide iii Syrup I Peppermint water to iii Ft. Solution	insoluble ca citrate -Use sod. bromide as substitute for ca bromide and
Sod. Salicylate 15 Elixir lactated pepsin ad 120 Ft. Solution	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Amm. Carb. Amm. Chloride Dil acetic acid Syrup of cherry to Ft. Solution	- Gas evolution (CO ₂) will occur due to reaction between amm. Carb. and acetic acid - Here there is definite amount of reacting ingredients so add carbonate to the acid in wide-mouth jar and allow the reaction go to completion then add chloride and complete the volume with syrup
Bi sub nitrate 10 gm Sod. Bicarb, 5 gm Cerium oxalate 5 gm Essence pepsin to 90 m	container - Here the hydrolysis rate is very slow and the it is impossible to