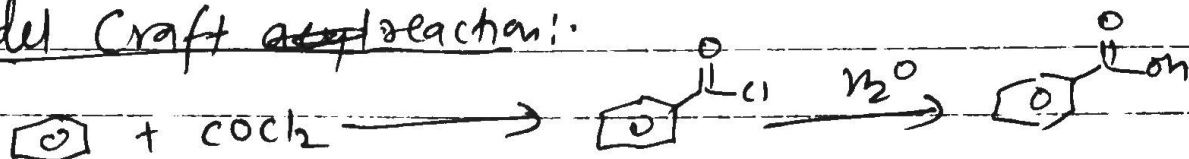


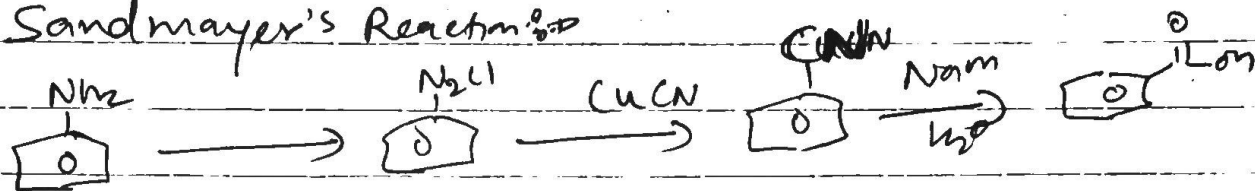
Aromatic Acids

Expt. No. _____ Synthetic Methods: Page No. _____ Date _____

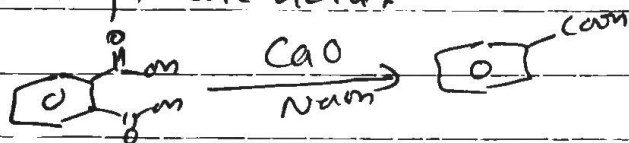
① Friedel Craft ~~act~~ reaction:



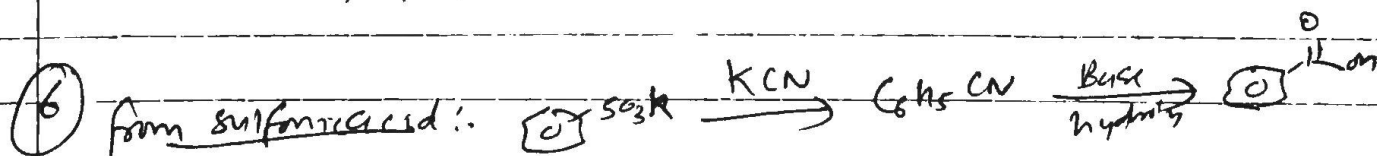
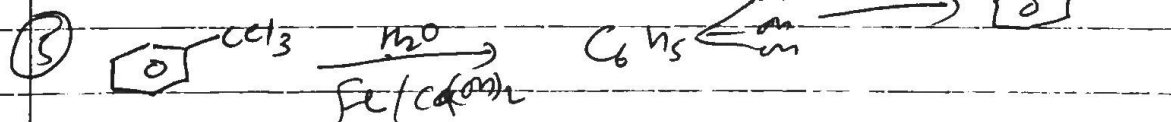
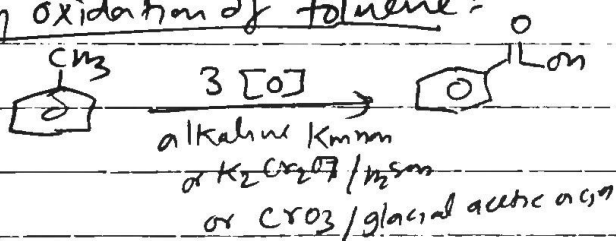
② Sandmeyer's Reaction:



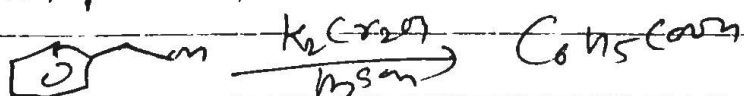
③ From phthalic acid:



④ By oxidation of toluene:



⑥ From primary alcohol



Reactions:

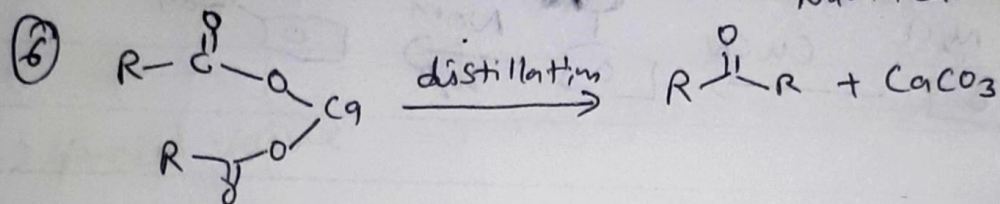
① Reaction with base

② Reaction with alcohols

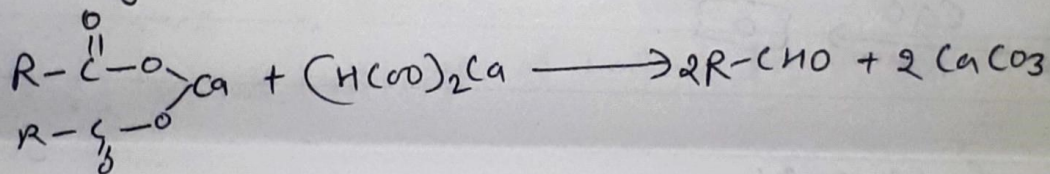
③ Reaction with PCl_5 , SOCl_2

④ Reaction with ammonia $\rightarrow$ Salt formation $\xrightarrow{\Delta}$ Amide

⑤ Decarboxylation: - Sod. salt $\xrightarrow[\text{NaOH} + \text{CaO}]{\text{soda line}}$

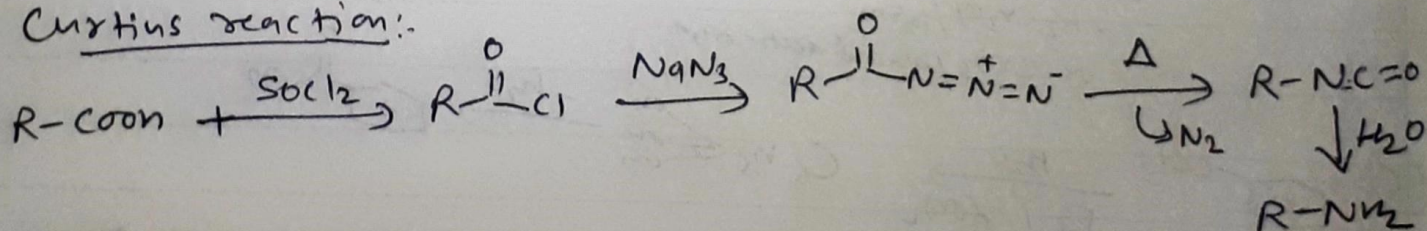


⑦ Heating with Ca formate



⑧ Calcium benzoate + Cal. acetate $\xrightarrow{\Delta} 2\text{C}_6\text{H}_5\text{CO}-\text{CH}_3 + 2\text{CaCO}_3$

⑨ Curtius reaction:



⑩ Schmidt Reaction:

