

Alcohol and Phenol Practice Set

F.M: 35

Class 12

F.T:1 Hr

1. Convert the following:

- i. 2-fluoro propane to tert-butanol
- ii. $\text{CH}_3\text{CH}_2\text{OH}$ to CH_3OH
- iii. Aniline to Anisole
- iv. Cumene to nitrophenol
- v. Benzene diazonium chloride to p-bromophenol

[5x2=10]

2. Arrange the following in the increasing order of acidity-

- i. o-nitrophenol, m-nitrophenol, p-nitrophenol
- ii. o-aminophenol, m-aminophenol, p-aminophenol
- iii. o-chlorophenol, m-chlorophenol, p-chlorophenol
- iv. o-cresol, m-cresol, p-cresol
- v. m-nitrophenol, Cresol, p-Chlorophenol, Phenol, p-Chlorophenol

[5]

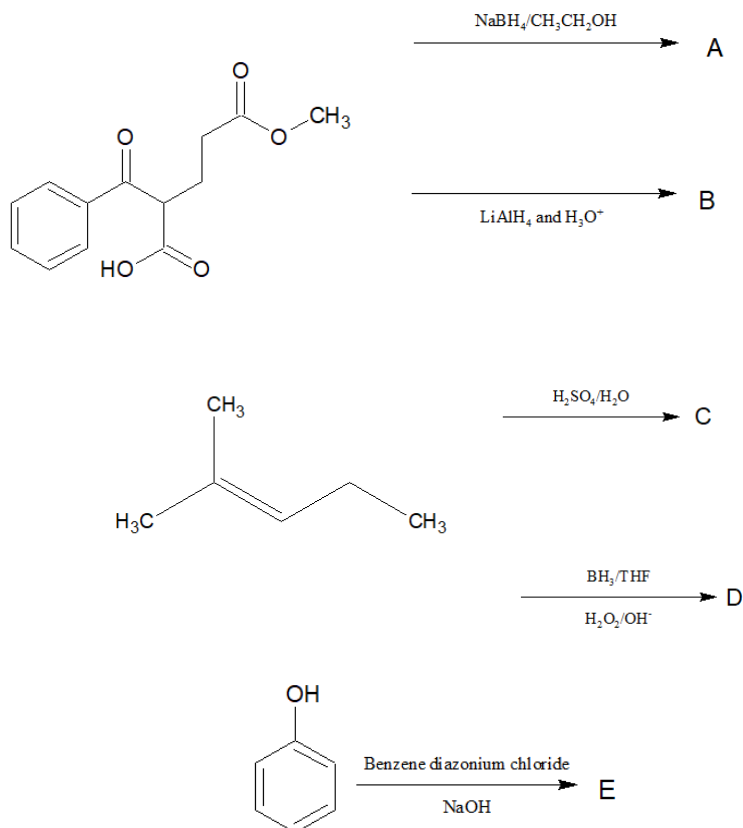
3. Write short note on the following (Give equation)

- i. Reimer Teimann Reaction
- ii. Victor Meyer's Test
- iii. Lucas Test

[5]

4. Identify A to E

[5]



5. Write the function of the following (give equation)

- i. Moist Silver oxide
- ii. Sodium nitrite and HCl
- iii. Conc sulphuric acid and 140°C

[3]

6. Chemically distinguish between

- i. Alcohol and phenol
- ii. Ethanol and 1-propanol

[2]

7. An organic compound $\text{C}_3\text{H}_7\text{Cl}$ is treated with Aq KOH to get produce A. A does not response to iodoform test. A when treated with Conc Sulphuric acid at 170°C produce B. B when subjected to acidic hydrolysis produce C. C when treated with SOCl_2 produce D. D when reacted with phenol in presence of anh AlCl_3 produce E. Identify A to E. [5]