

SUBJECT - CHEMISTRY

CLASS - B.Sc (Sub/sem) PART - II

GROUP - C

TOPIC - Conversions of benzene to:

Dr. Harsh Mohan Prasad Singh

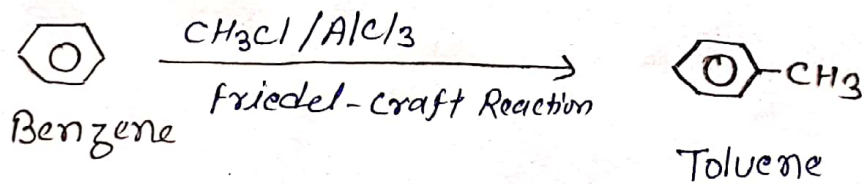
Department of Chemistry

Dr. L.K.V.D College Tarpur Samastipur

Conversions of benzene to:

- (1) Toluene (2) Ethyl benzene (3) Benzaldehyde (4) Cinnamic acid (5) Phenyl acetic acid (6) Salicylic acid (7) Benzoic acid (8) phenyl hydroxyl amine (9) Benzyl alcohol (10) Acetanilide

Ans. 1 Benzene reacts with CH_3Cl in the presence of anhydrous AlCl_3 to form toluene



2 Benzene reacts with $\text{C}_2\text{H}_5\text{-Cl}$ in the presence of anhydrous AlCl_3 to form ethyl benzene -

