

02/02/24

B.Sc Part II (Group A)

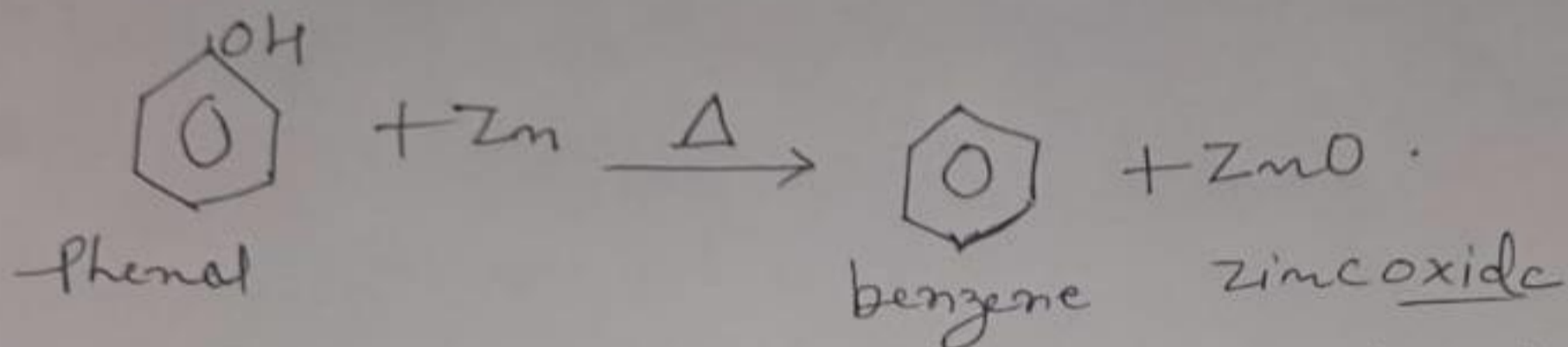
Kiranmayee

Assistant Professor in Chemistry

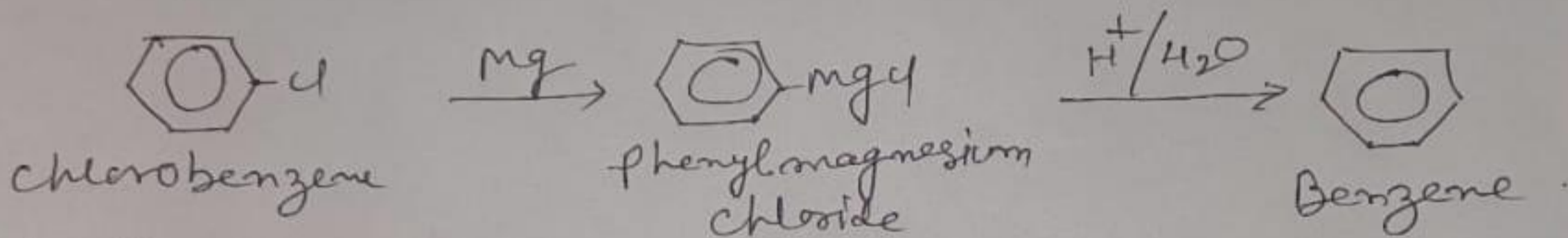
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Preparation and Properties of benzene.

- (iii) Phenol react with Zn dust at a high temperature. The phenol is converted to a phenoxide ion and a proton, which accepts an electron from Zn forming an H radical and ZnO is formed.



- (iv) Chlorobenzene react with magnesium in presence of dil HCl to form benzene.



Properties: —

- (i) Benzene is a colourless liquid.
- (ii) It is insoluble in water, and miscible with alcohol.
- (iii) Benzene and its derivatives shows characteristic IR spectrum.
- (iv) It burns in luminous sooty flame.