

Quadrant II – Transcript and Related Materials

Programme: Bachelor of Science (Third Year)

Subject: Chemistry

Paper Code: CHC107

Paper Title: Organic Chemistry

Unit: Aromaticity, Aromatic hydrocarbons and Reactivity

Module Name: Activating Groups

Module No: 07

Name of the Presenter: Prof. Vidya Desai

Professor,

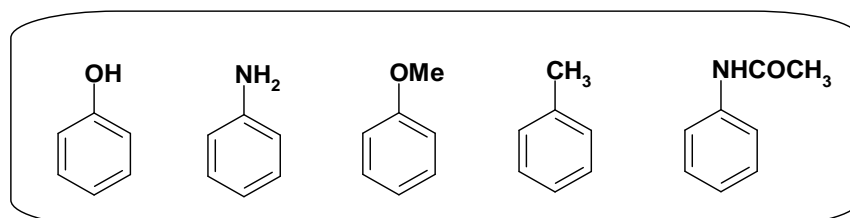
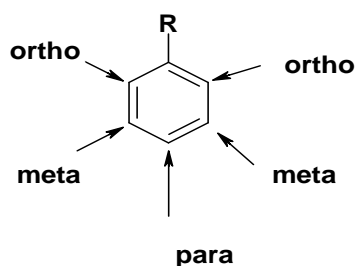
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Notes

R = OH, NH₂, OCH₃, CH₃, NHCOCH₃

(Activating groups)

Groups if present on aromatic ring increases the nucleophilicity of the ring. Activating groups are ortho-para directors. They orient the electrophile to ortho and para positions.



-OH, and -NH_2 groups are strongly activating, OCH_3 and CH_3 groups are activating, -NHCOCH_3 are moderately activating.