

Shri.Shivaji Education Society Amravati's

**SHRI.SHIVAJI SCIENCE & ARTS
COLLEGE, CHIKHLI.**

Affiliated to Sant Gadge Baba Amravati University, Amravati.

**B.Sc.Semester - I
CHEMISTRY**

AROMATIC HYDROCARBON

AUTHOR

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M. Sc. M.Ed. NET , SET

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CONTENTS

- Nomenclature and Isomerisms
- Kekule Structure of Benzene
- Molecular Orbital structure
- Aromaticity and Huckel's Rule
- Aromatic, antiaromatic and non-aromatic systems.
- Mechanism of Electrophilic Aromatic Substitution:
- Nitration, Friedel Craft Alkylation and acylation.
- Nuclear and Side Chain Halogenation.
- Birch Reduction.
- Orientation: Effect of substituent groups.
- Theory of reactivity and orientation on the basis of inductive and resonance effects.

