
❖ Problems

- Q 1. Define arenium ion. Discuss the organic reaction mechanism involving them.
- Q 2. What are ring activators and deactivators? Explain with suitable examples.
- Q 3. Draw and discuss the typical energy level diagram for the electrophilic substitution.
- Q 4. Define ortho/para ratio. What factors affect this ratio?
- Q 5. State and explain *ipso*-attack.
- Q 6. Discuss the directive influence of substituents in ring systems other than benzene.
- Q 7. Explain the quantitative treatment of reactivity in substrates and electrophiles.
- Q 8. What is diazonium coupling?
- Q 9. Discuss the mechanism of the Vilsmeier reaction.
- Q 10. Write a short note on the Gattermann-Koch reaction.

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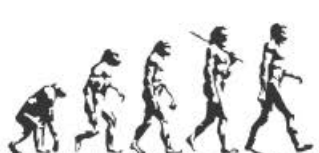
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Volume I

MANDEEP DALAL



First Edition

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