
❖ Problems

- Q 1. Define the delocalized chemical bond in the valence bond framework with a suitable example.
- Q 2. What is resonance? How is it different from tautomerism?
- Q 3. What is hyperconjugation? How can it be used to rationalize the relative stability of carbocations?
- Q 4. Write a short note on alternate and non-alternate hydrocarbons.
- Q 5. Define aromaticity with special reference to the benzenoid compounds.
- Q 6. What is the Huckel rule of aromaticity? Discuss its theoretical foundation.
- Q 7. Comment on the aromatic character of different annulenes.
- Q 8. What are homoaromatic compounds?
- Q 9. Discuss the 'perturbed molecular orbital' approach for aromaticity.
- Q 10. What are antiaromatic compounds? How they can be rationalized in terms of planarity.
- Q 11. Discuss the bonds weaker than covalent with special reference to Crown ether complexes.

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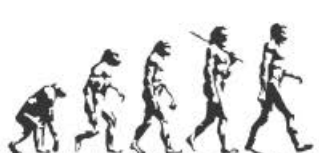
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A TEXTBOOK OF ORGANIC CHEMISTRY

Volume I

MANDEEP DALAL



First Edition

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