

**❖ Problems**

- Q 1. Discuss the mechanism and stereochemistry of electrophilic addition to carbon-carbon multiple bond.
- Q 2. What is nucleophilic addition to carbon-carbon multiple bond? How is it different from free radical addition to carbon-carbon double bond?
- Q 3. Define Markovnikov's rule.
- Q 4. Discuss the chemoselectivity of electrophilic addition to carbon-carbon double bond.
- Q 5. State and explain Michael reaction.
- Q 6. Define hydroboration.
- Q 7. Discuss the Sharpless asymmetric epoxidation.
- Q 8. Write a short note the hydrogenation of aromatic rings.
- Q 9. How does the hydrogenation of double bonds is different from the hydrogenation of carbon-carbon triple bonds?

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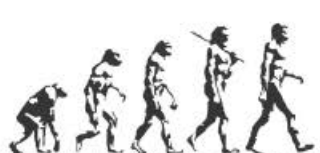
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**Volume I**

**MANDEEP DALAL**



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