

**Assignment 1**  
**BSc 2<sup>nd</sup> Sem**  
**Paper-201**

1. What do you mean by conformational analysis? Draw the most stable conformation of cyclohexane showing axial and equatorial hydrogens.
2. What do you mean by angle strain? Calculate the angle strain for cyclopropane ring.
3. Draw Newman projection of Chair form and boat form of cyclohexane.
4. Draw the energy profile for the conformations of cyclohexane. Why is chair conformation is free of strain?
5. How do you obtain cyclopentane starting from diethyl adipate? Write all necessary equation.