

**Gurudas College**  
**Department of Chemistry**  
**Internal Assessment 2021**

**SEM-VI**

**Paper: DSE-A3**

(Green chemistry and chemistry of natural products)

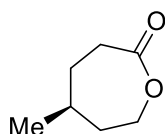
Time: 30 Minutes

Full Marks: 10

Answer any five questions:

5×2=10

1. Define Atom Economy with suitable example.
2. Show an example of Aldol condensation in solid phase.
3. Discuss Friedel-Crafts Alkylation using Ionic Liquids.
4. Explain an example of Michael Addition in aqueous medium.
5. Give an example of Dieckmann condensation under sonication.
6. Synthesize the following lactone using enzymatic Bayer-Villiger oxidation.



Lactone

7. Define isoprene rule with proper explanation.