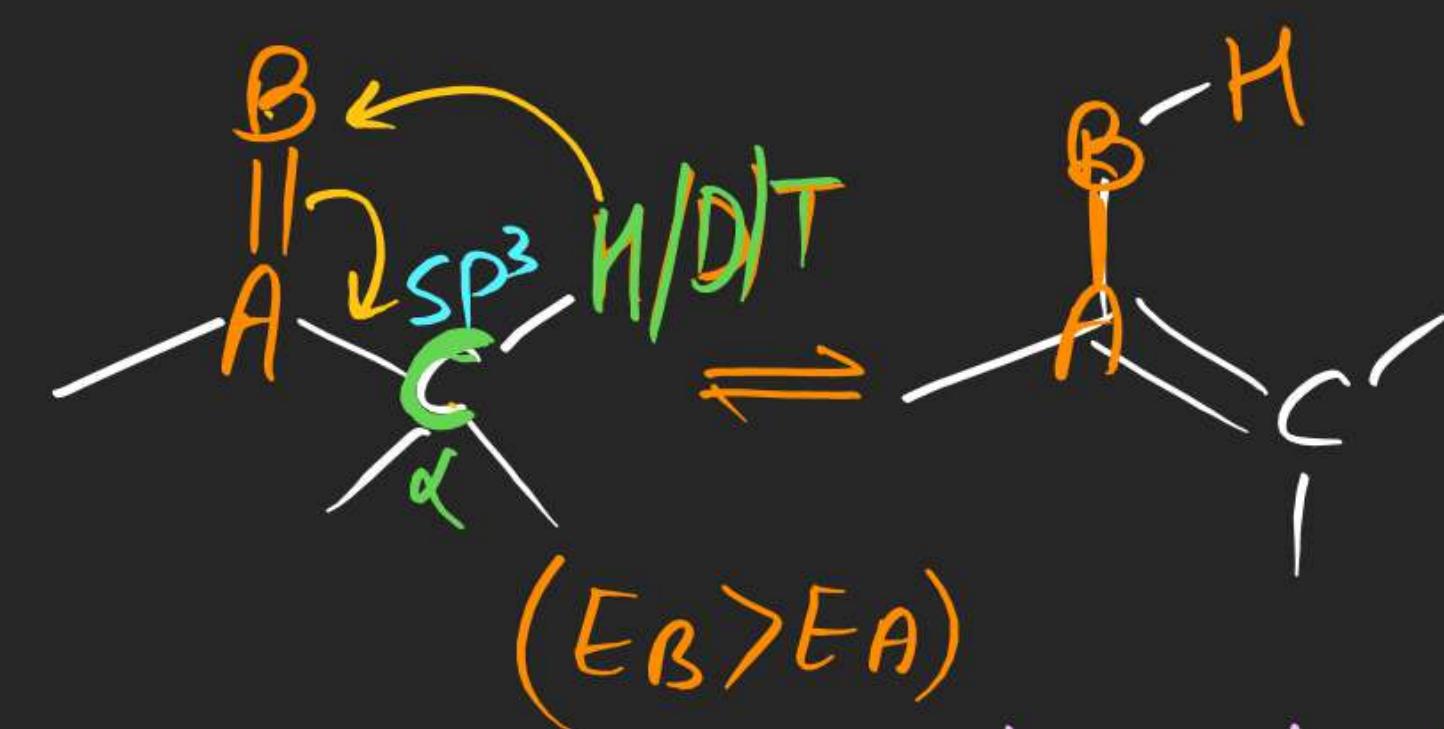
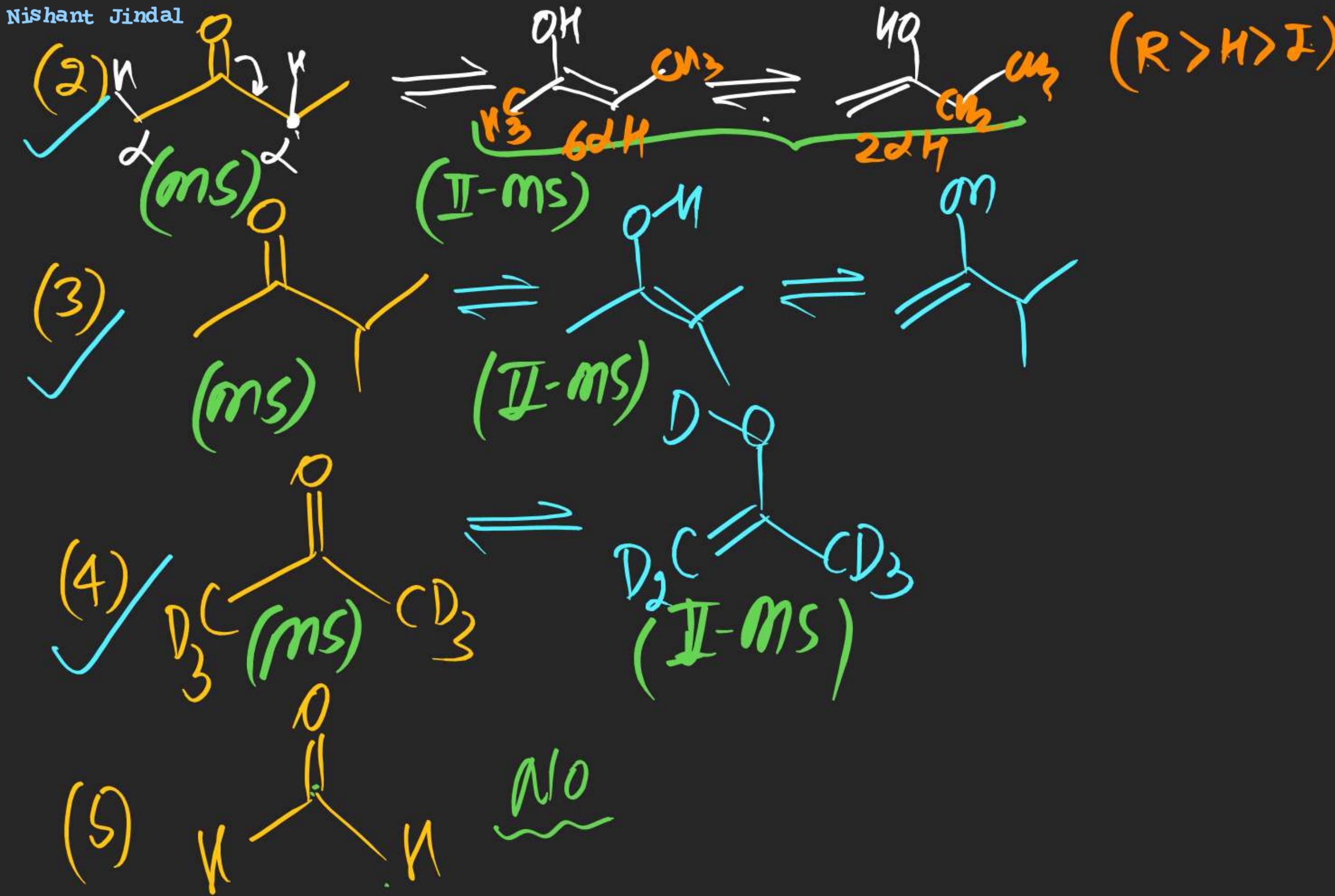


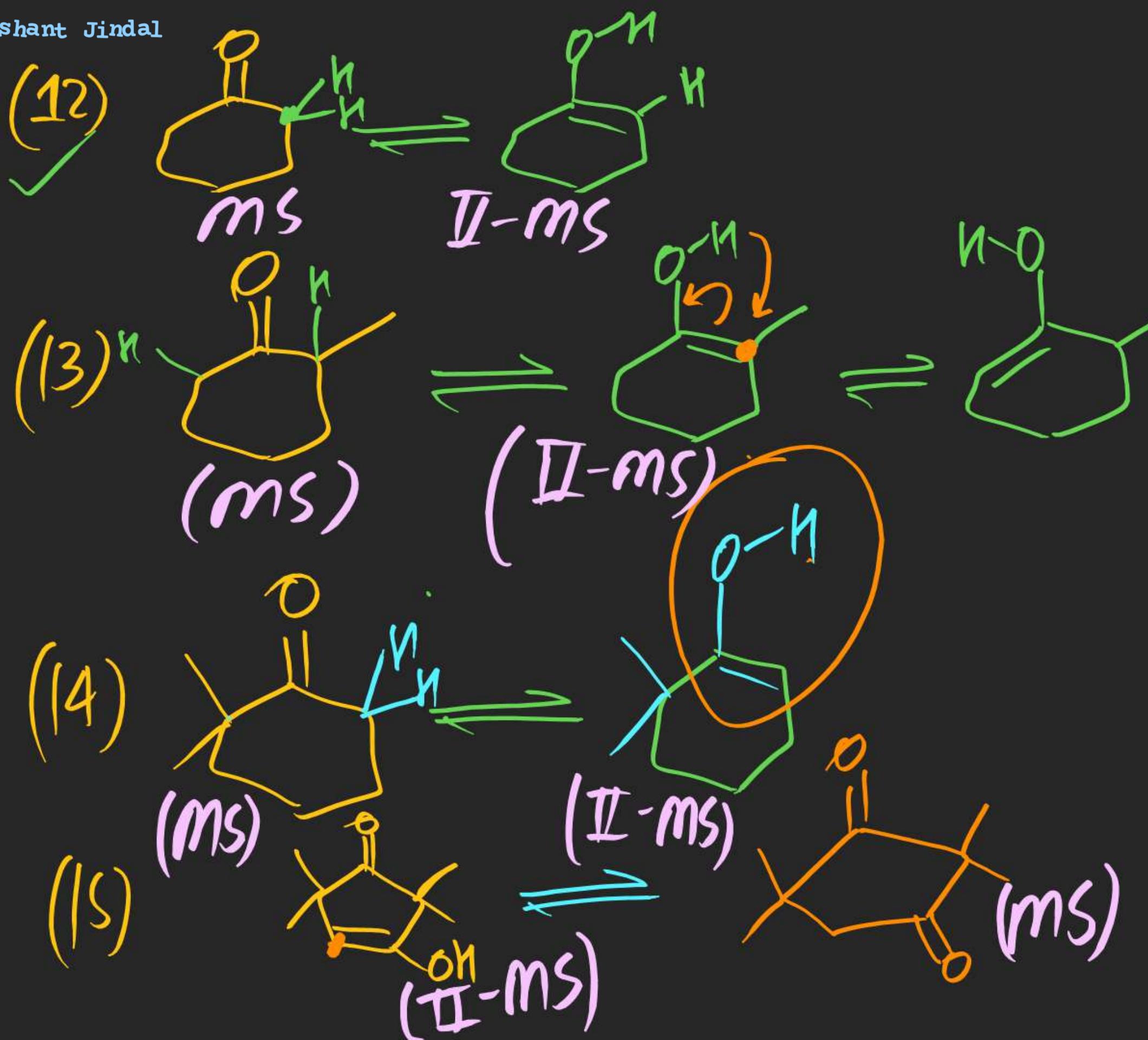
(#) Condition
of Tautomerism:

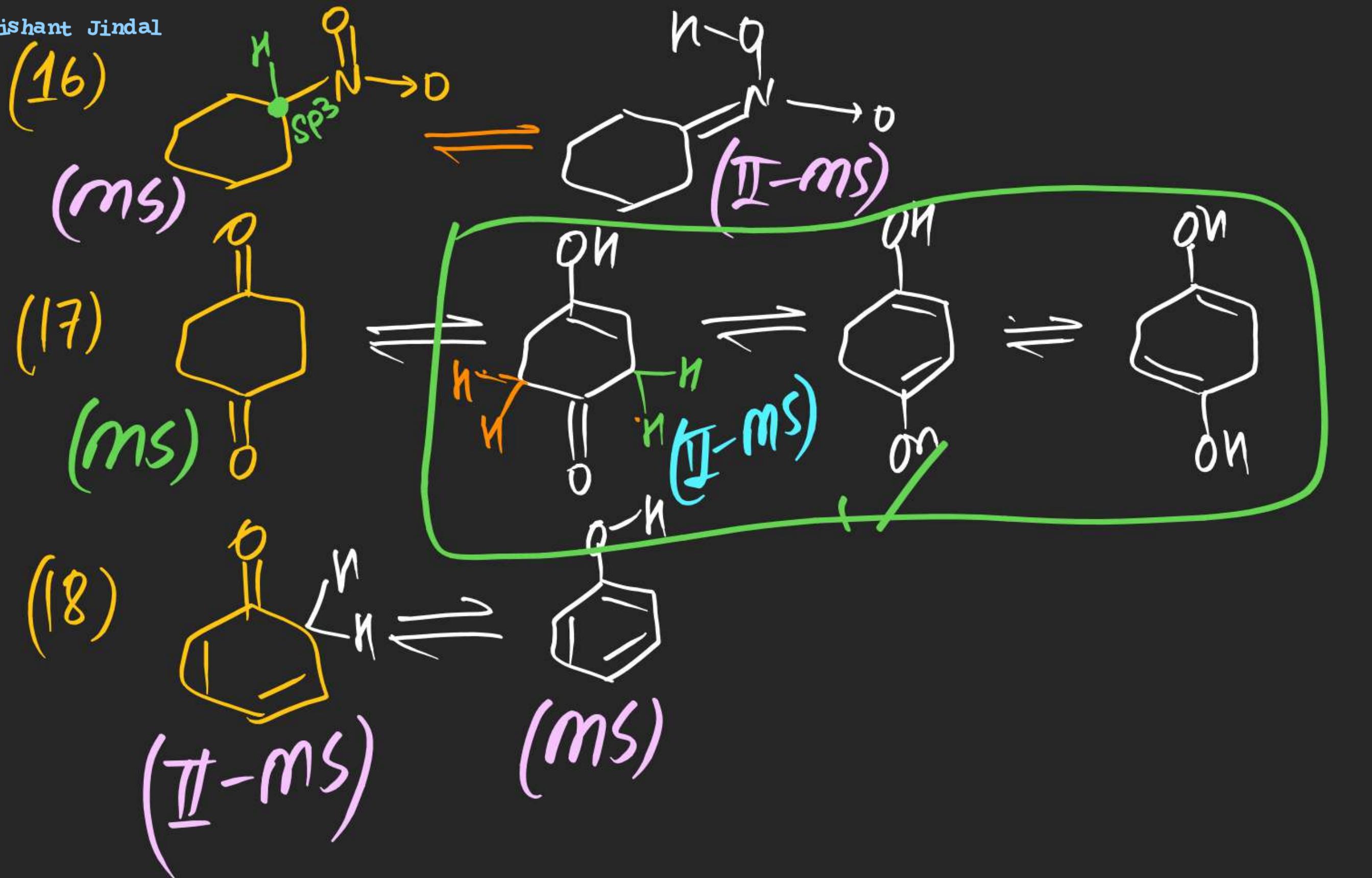


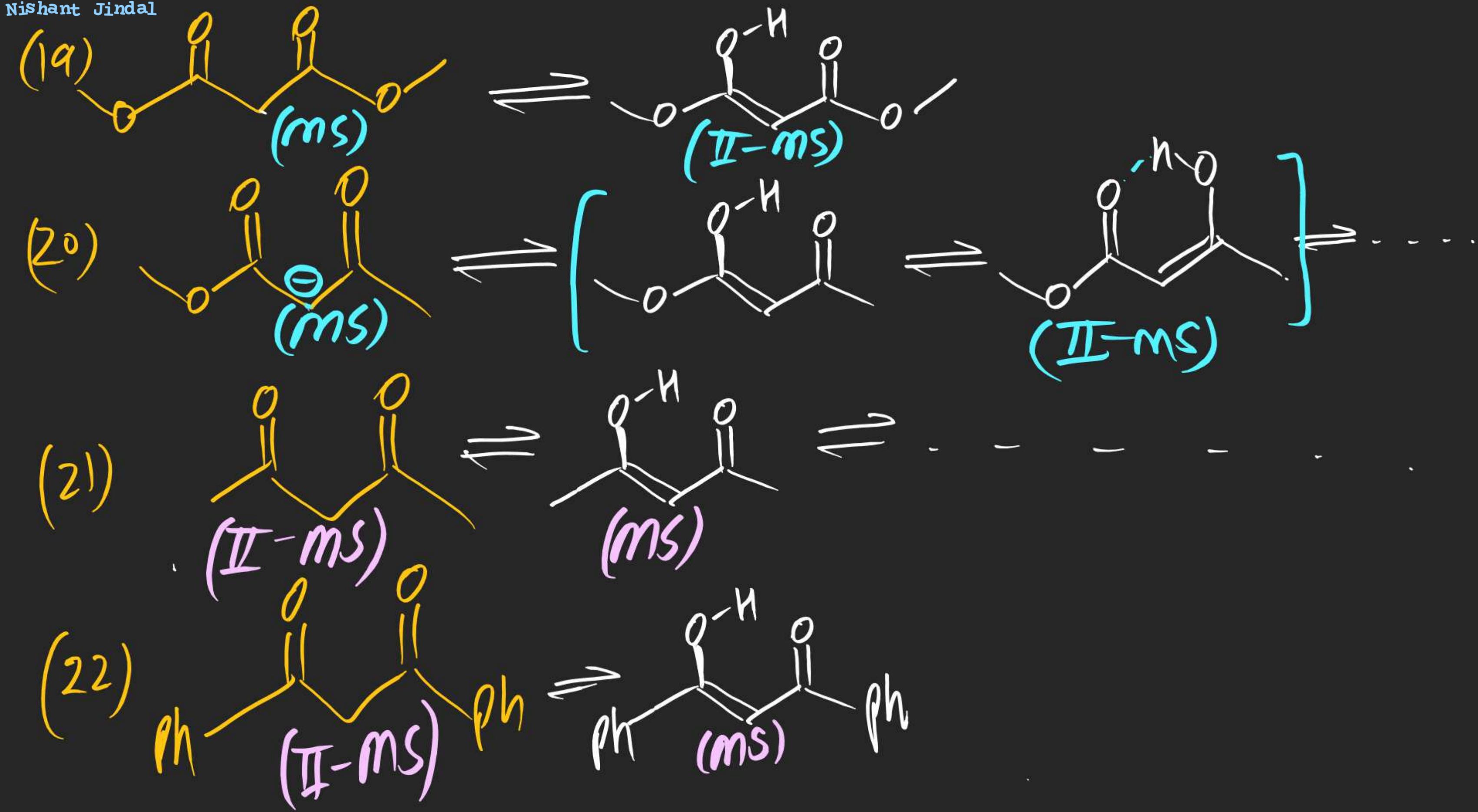
Ex: Identify compounds which can show tautomerism.
& also draw its First two Stable tautomers.

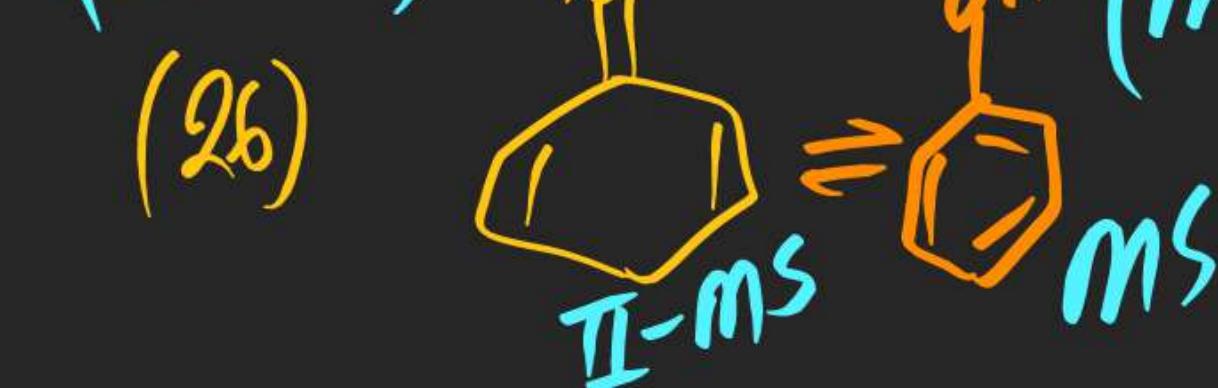
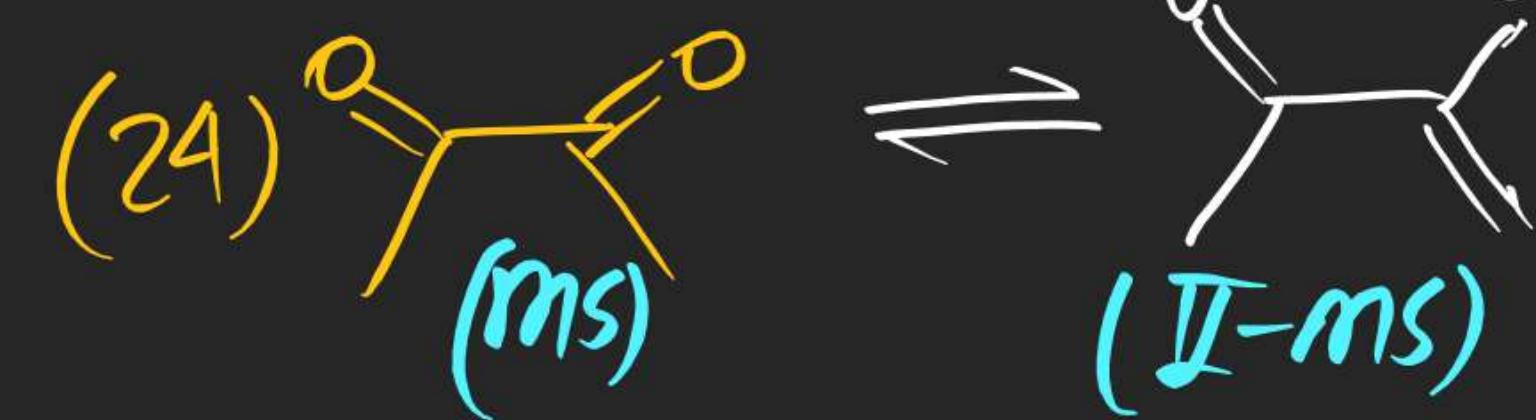
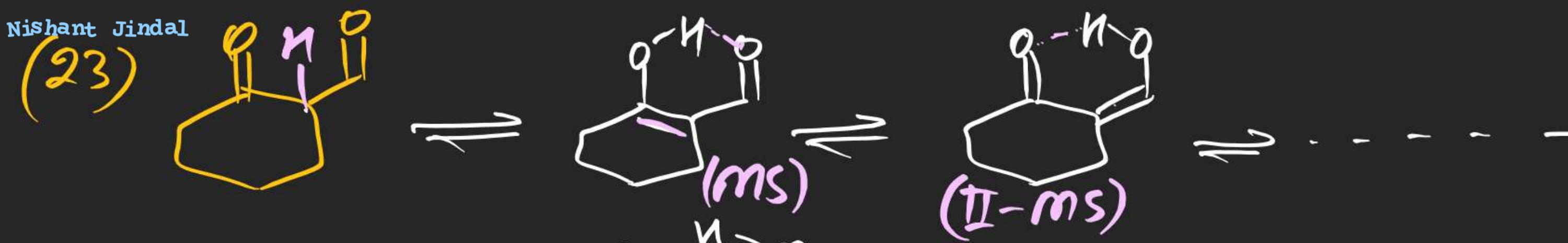


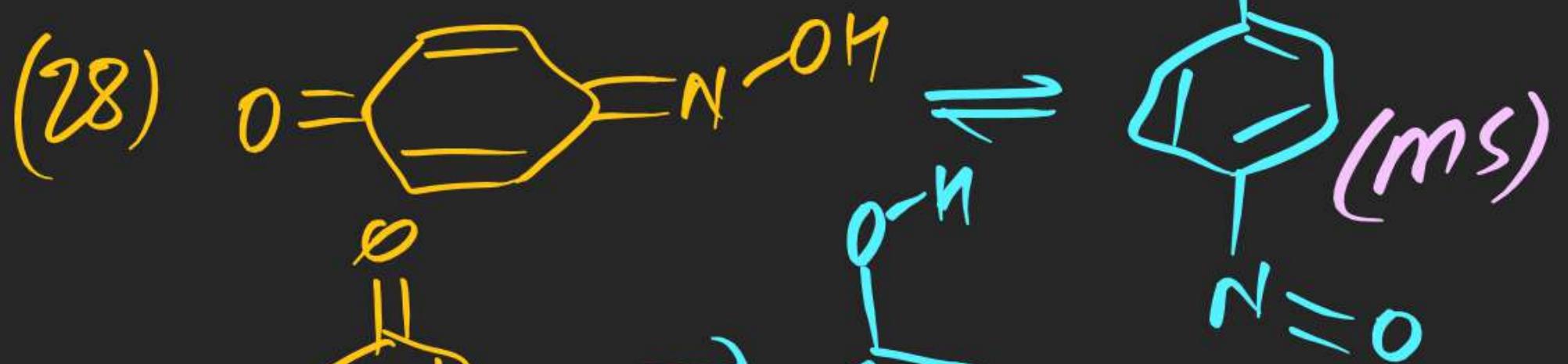


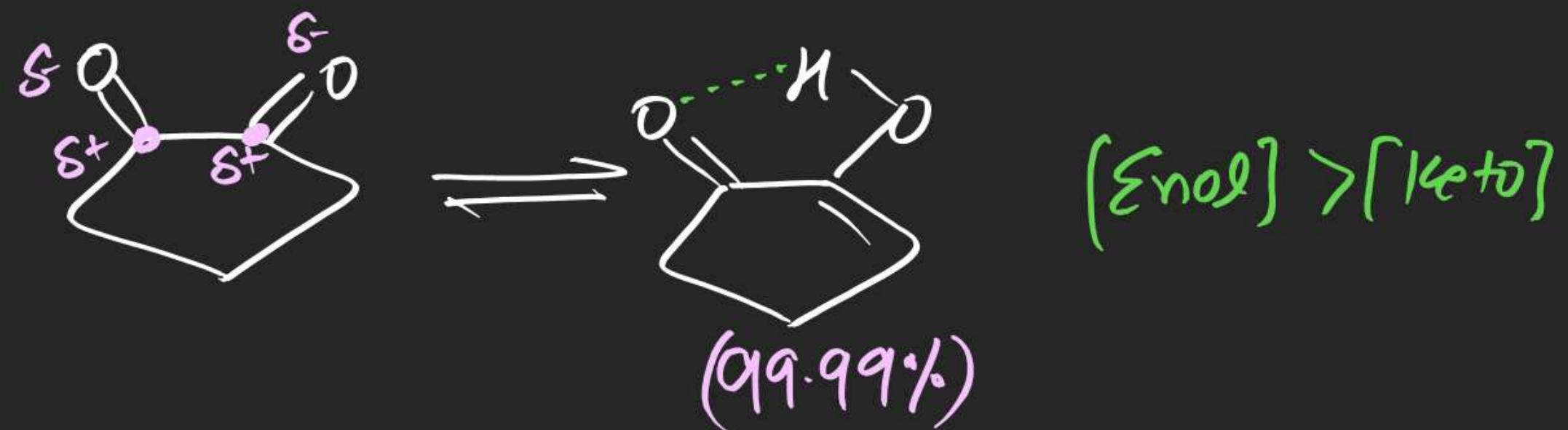




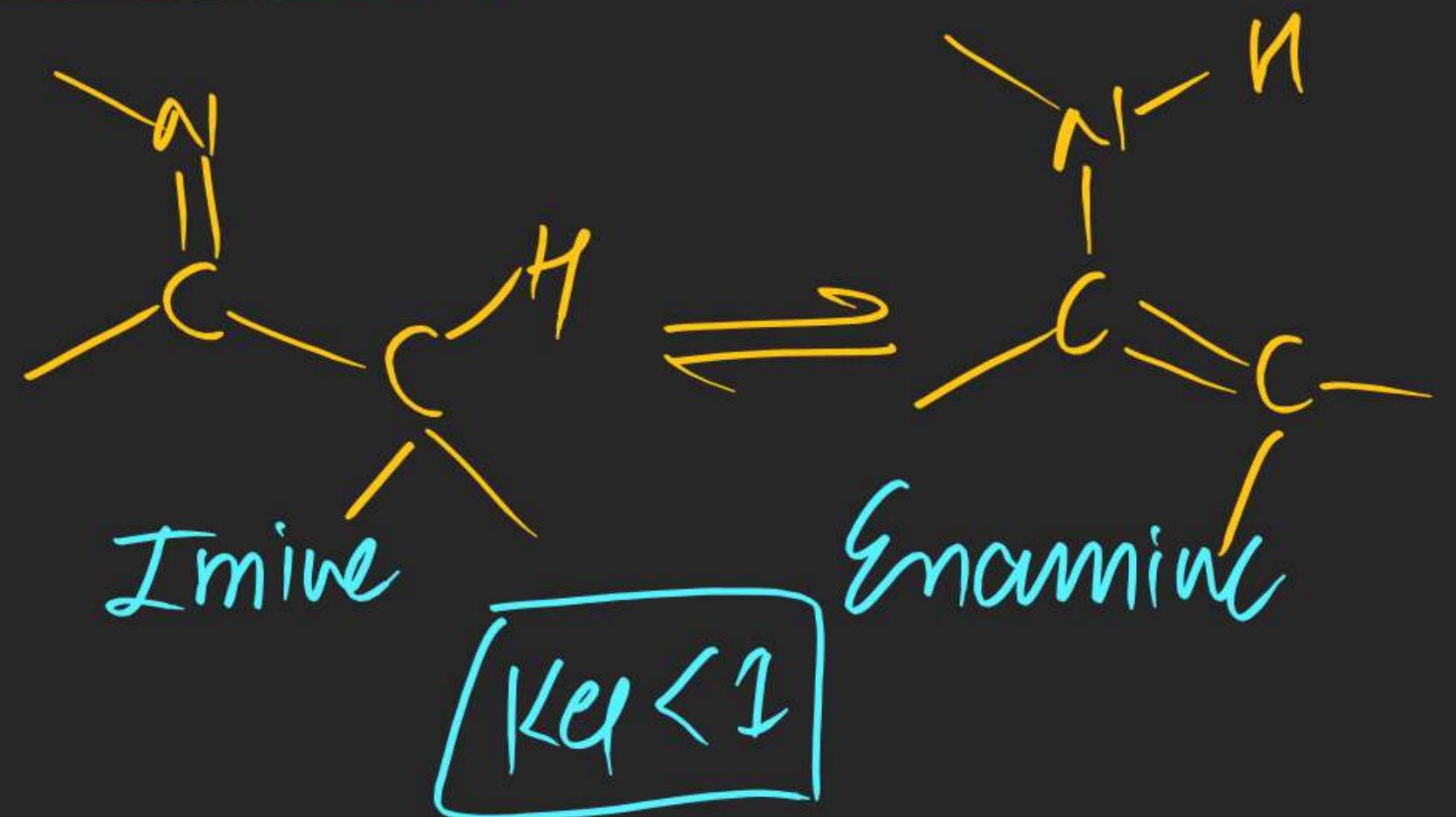








Ex-2: Imine-Enamine Tautomerism :-



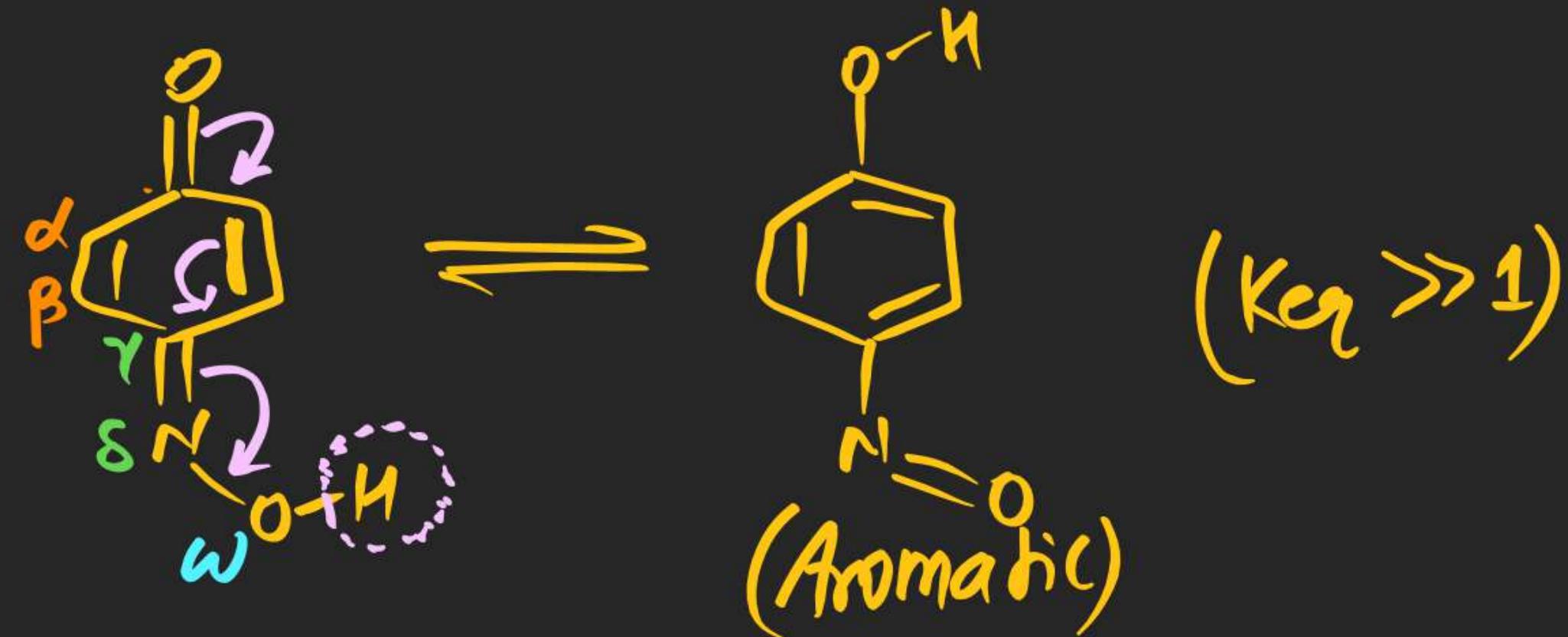
(3) Space Tautomerism :-

1 to 2 1 to 3

\Rightarrow Tautomeric system other than Diad & Triad system
are known as space Tautomerism

Ex-1. 

Aromatic (Stable)

Ex-2:

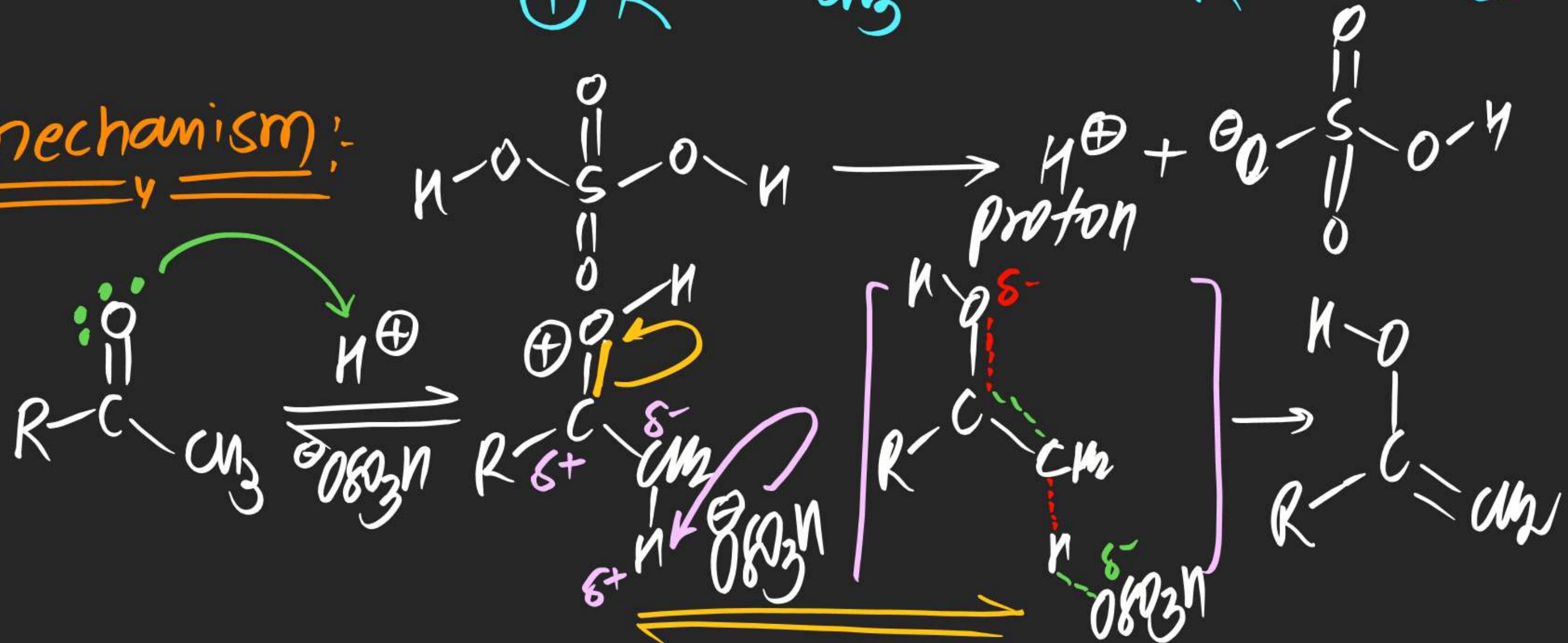
Note: (i) Keto \rightleftharpoons Enol can be catalysed both by Acid & Base catalyst.

(#) In Acidic Condition :

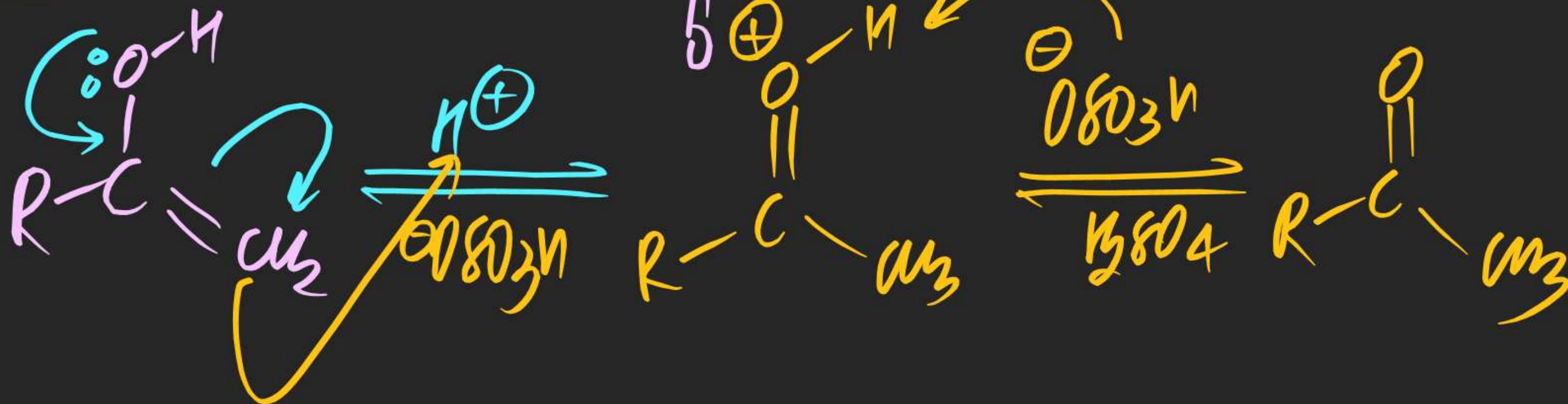
(i) Keto to Enol :-



Mechanism :-

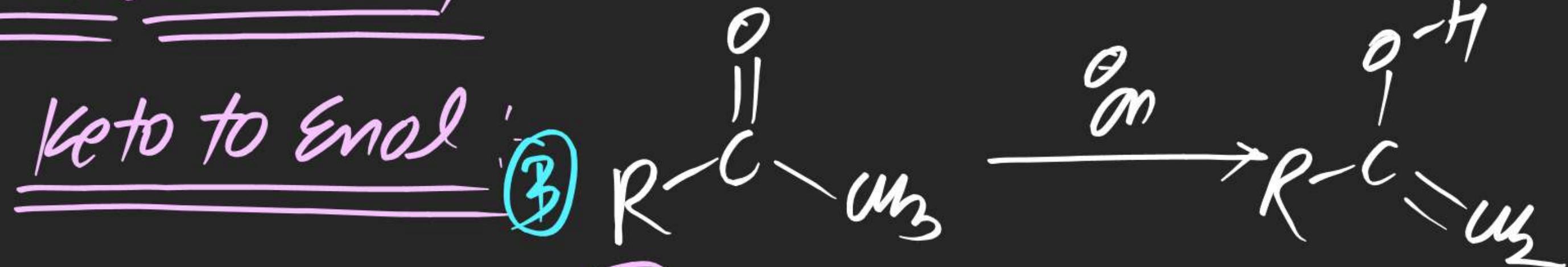


(ii) Enol to Keto'

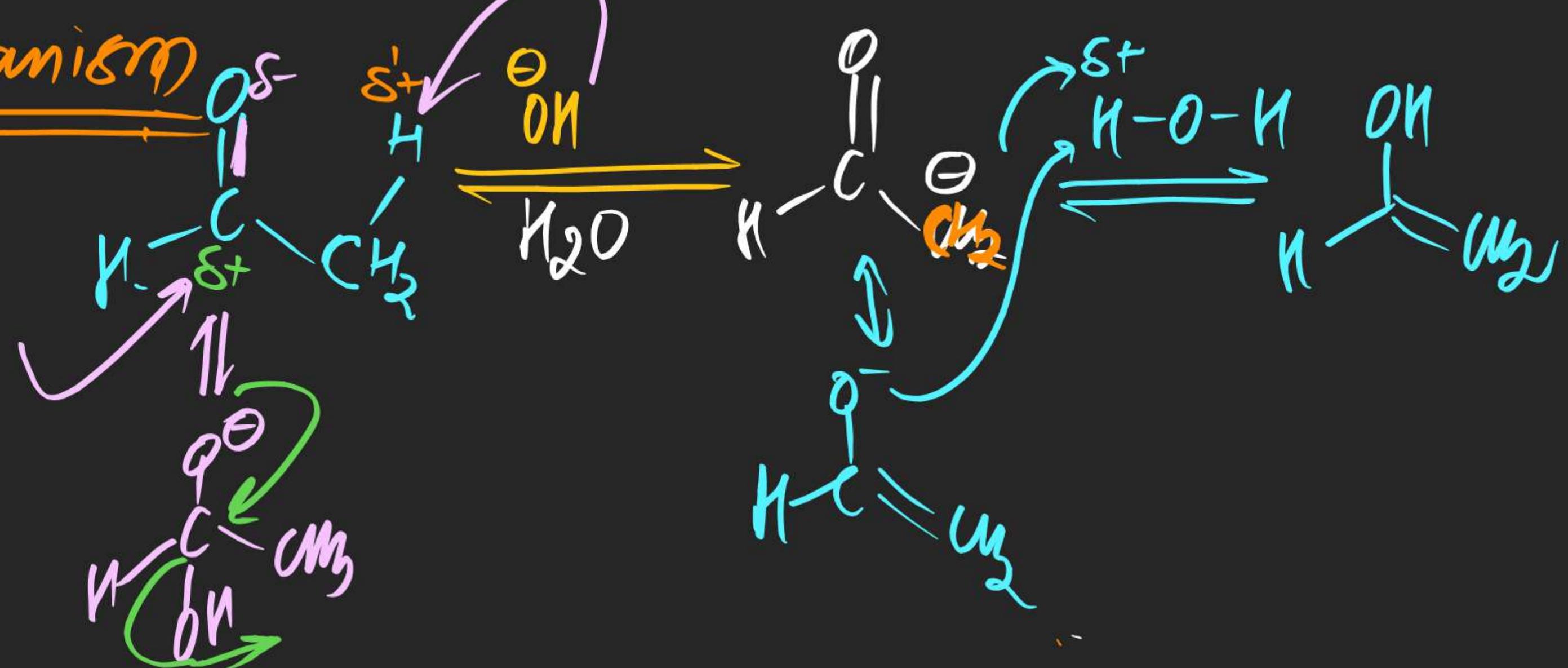
mechⁿ

In Basic condition

(i) Keto to Enol



Mechanism



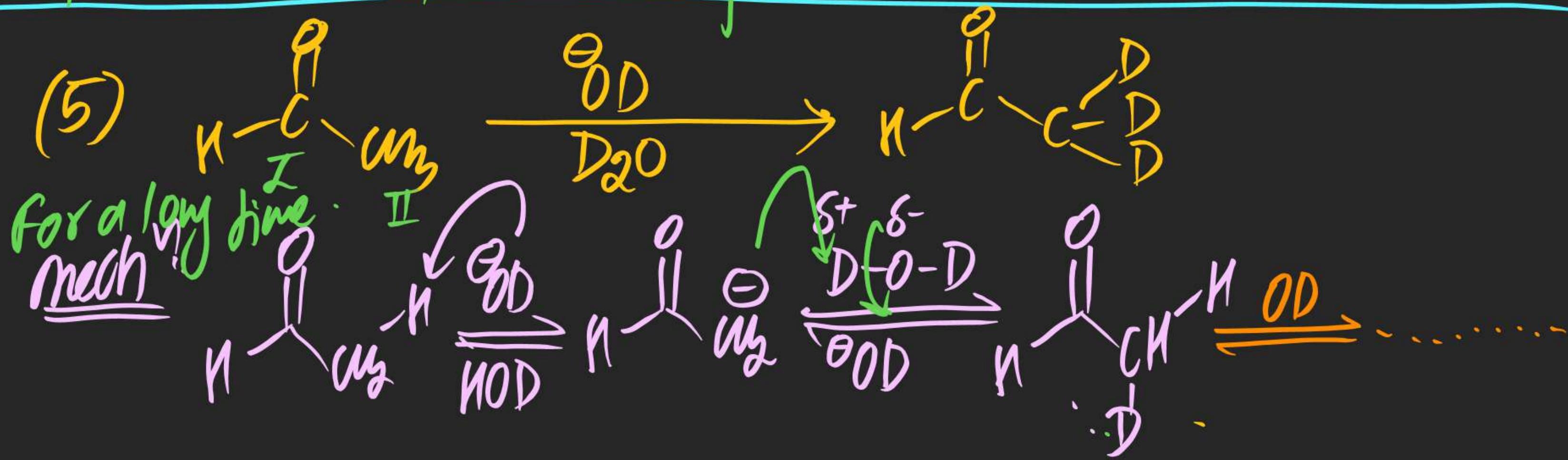
Nishant Jindal

(#) Amol to keto!

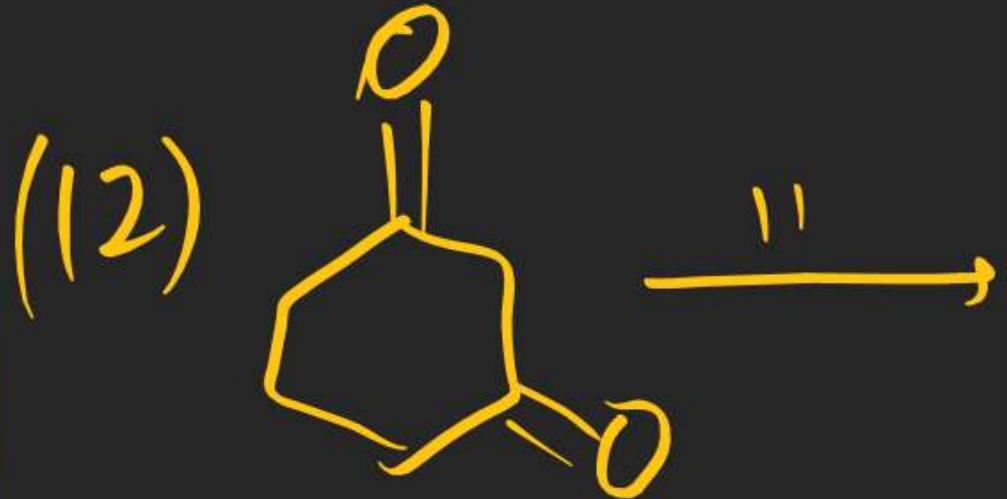
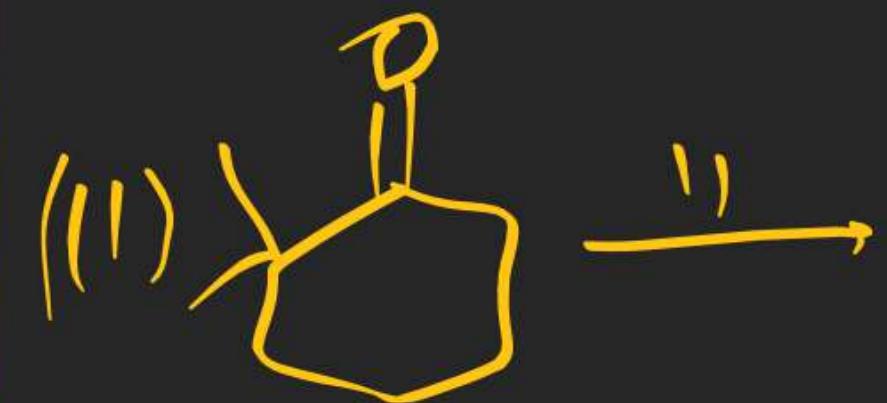


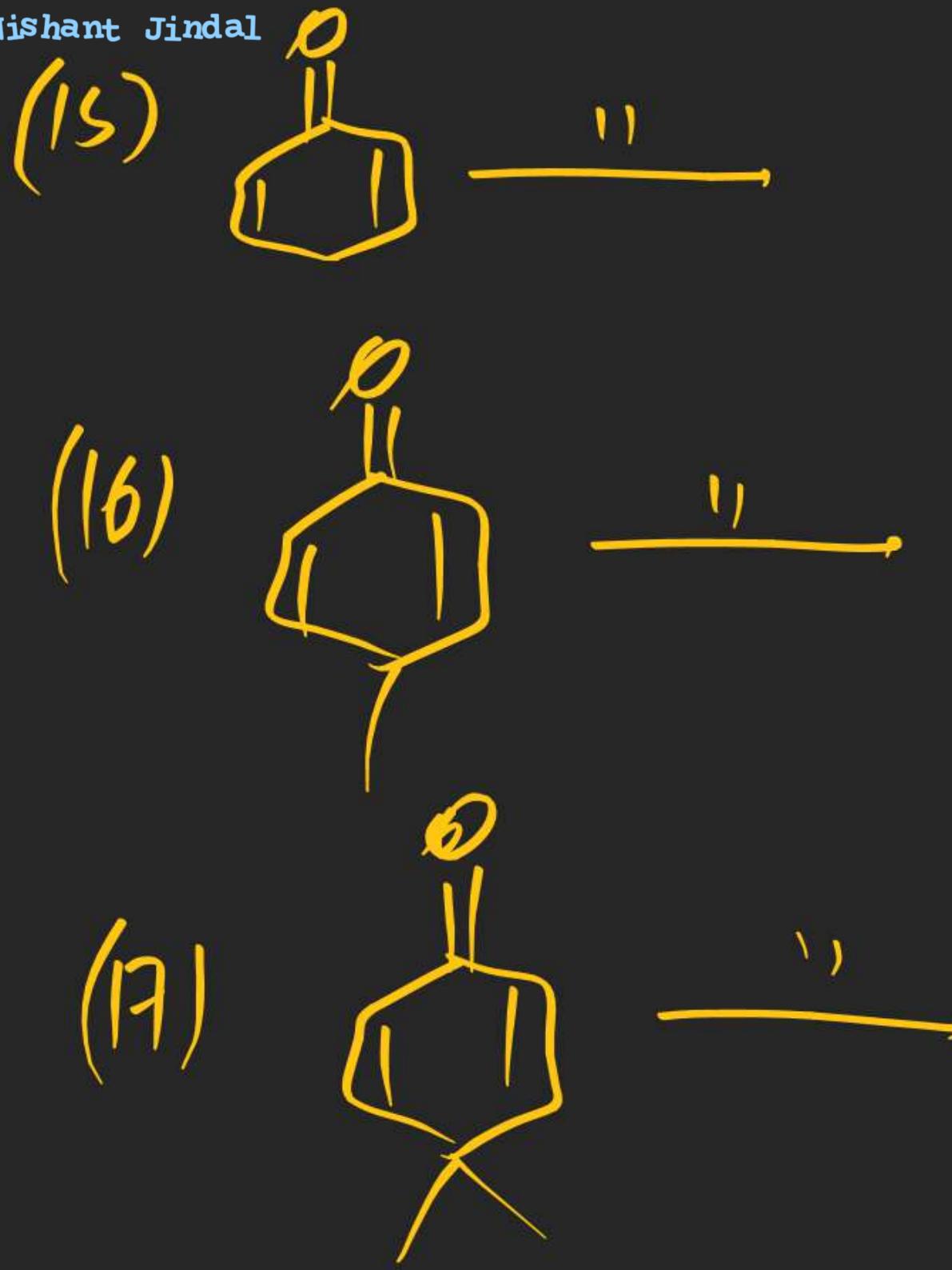
mech'n!

Kinetic Isotopic Exchange:









$$\text{BB} \cong \frac{\text{Mains Ex}}{(1-40)Q_u}$$

(GOC shear +
Complex)