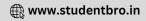
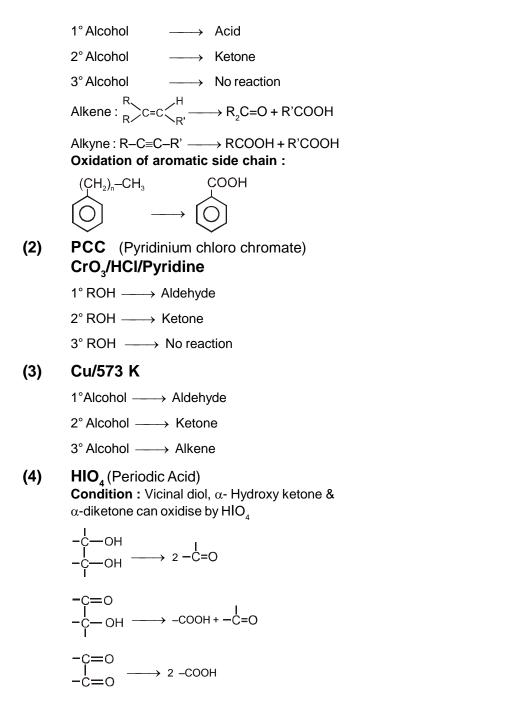
Points to remember in Oxidation Reaction

(1) $KMnO_4$ (in both medium) or $K_2Cr_2O_7$ (in acidic medium) Aldehyde \longrightarrow Acid

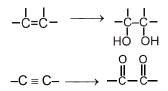
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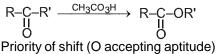


(5) Baeyer's reagent and OsO₄ + NaHSO₃



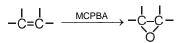
stereospecific syn addition

(6) Baeyer–Villiger oxidation (m-CPBA or CH₃CO₃H)

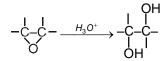


R' = Ph > Ethyl > Methyl

(7) Prilezhaev reaction



Anti hydroxylation :



(8) oxidation by HNO₃

Aldehyde	\longrightarrow Acid
----------	------------------------

- 1° Alcohol \longrightarrow Acid
- 2° Alcohol \longrightarrow no recation
- 3° Alcohol \longrightarrow No reaction

(9) oxidation by MnO₂

- 1° Alcohol \longrightarrow Aldehyde
- 3° Alcohol \longrightarrow No reaction
- Note : Only allylic and benzylic alcohols are oxidised by MnO2.

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