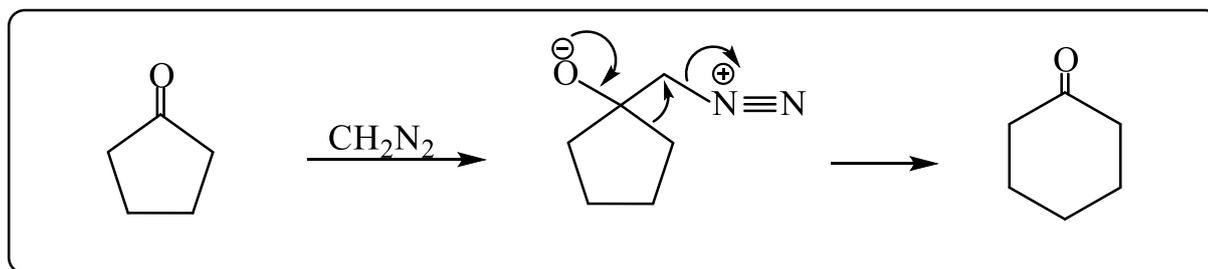
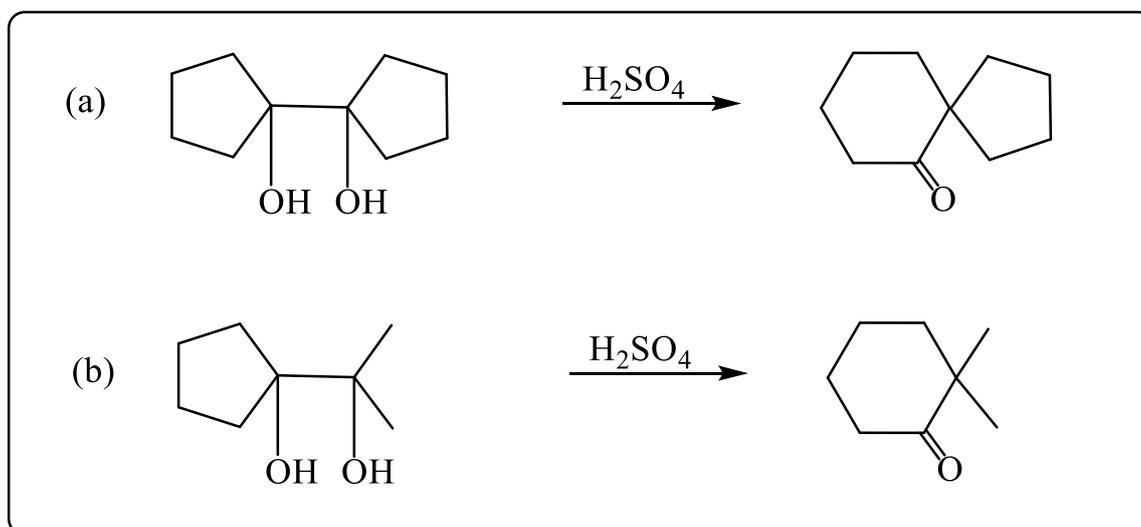


Ring – expansion :

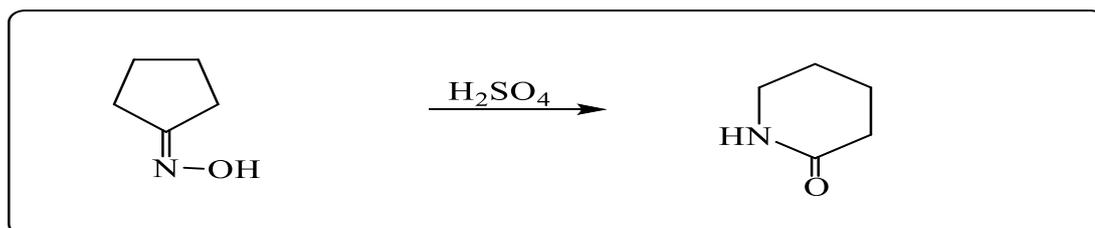
(i) Diazonium group :



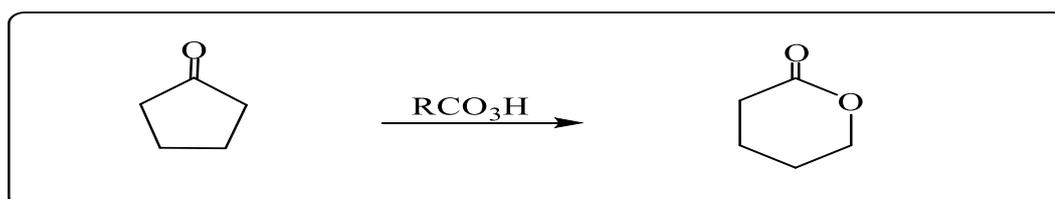
(ii) Pinacol – Pinacolone rearrangement :



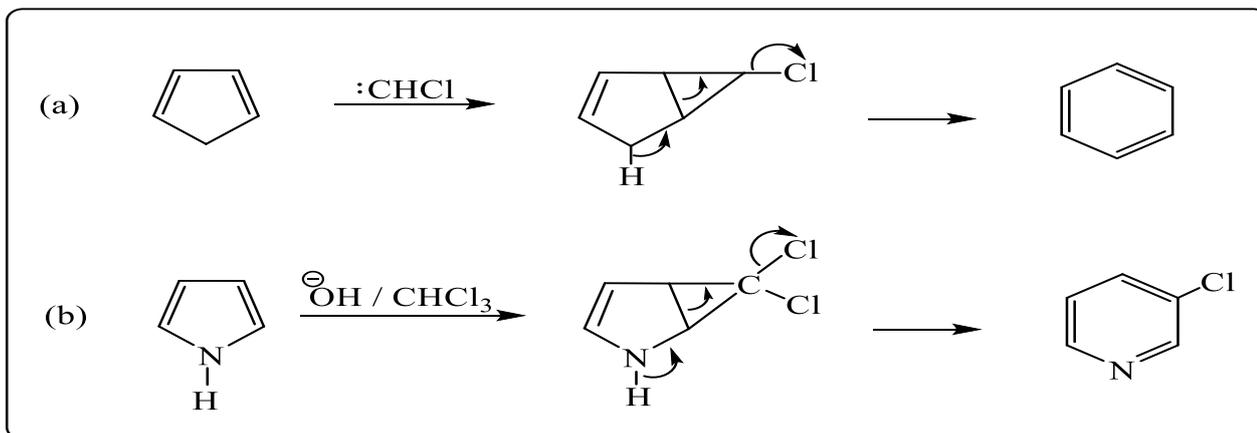
(iii) Beckmann rearrangement :



(iv) Baeyer Villiger Oxidation :

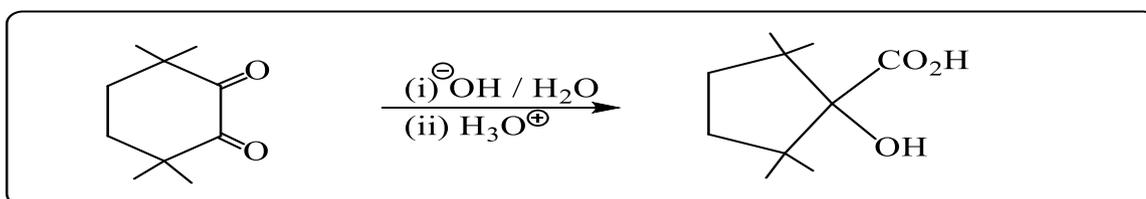


(v) Carbene :



Ring – contraction :

(i) Benzillic acid rearrangement :



(ii) Favorskii reaction :

