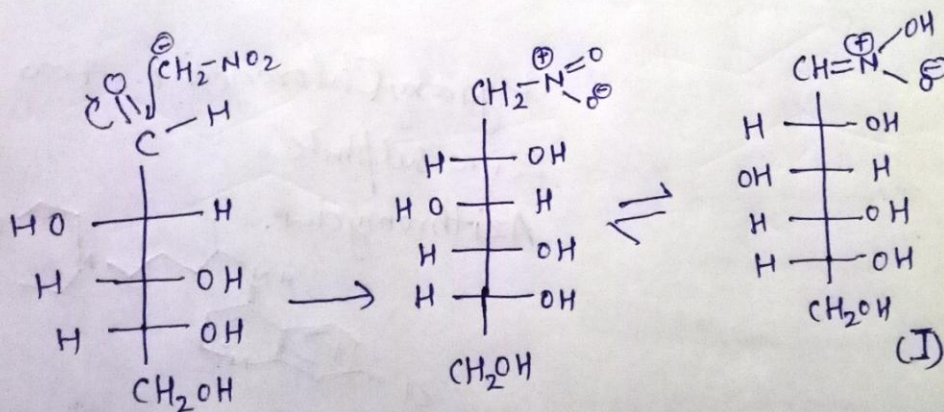
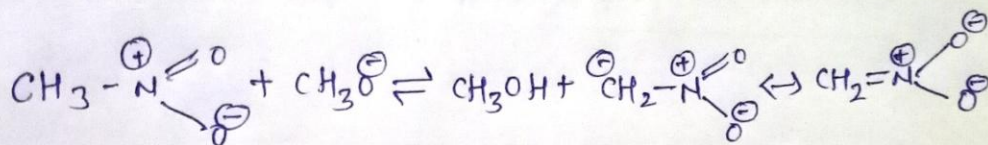
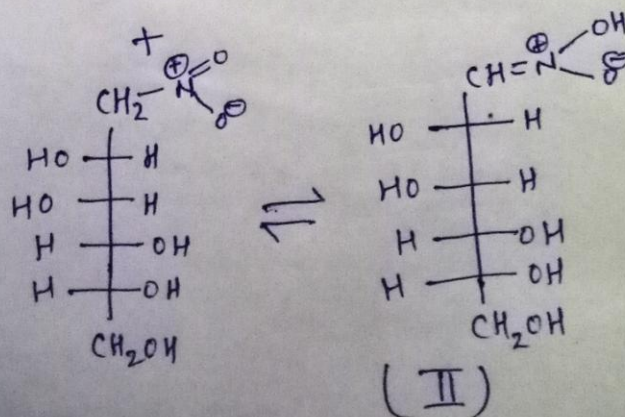
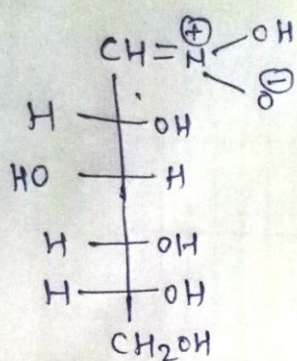


(ii) Sowden Method:- In Sowden method an aldose is converted to the next higher member. In first step aldose react with nitromethane in the presence of methoxide to form 1-nitro-1-deoxy compound (I and II) and converted into respective sodium salt (III & IV). Acidic hydrolysis (60%  $H_2SO_4$ ) of these sodium salt (III & IV) gives aldoses.

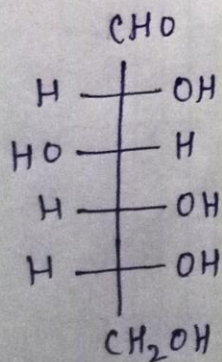
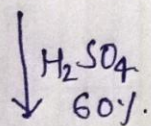
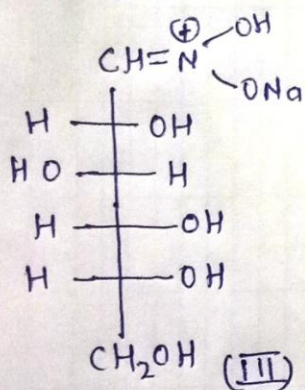
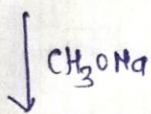


D-Arabinose

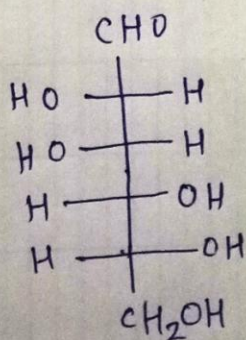
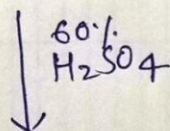
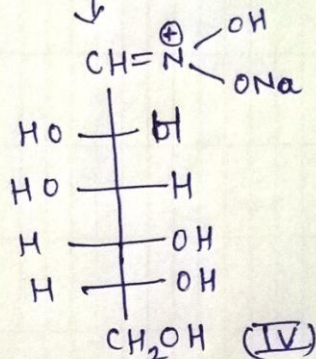
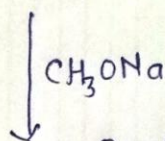
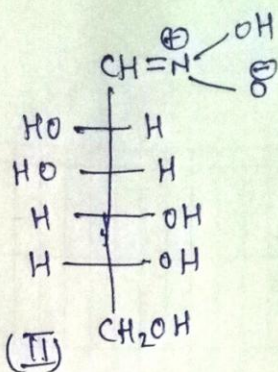




(I)



Glucose



D-Mannose