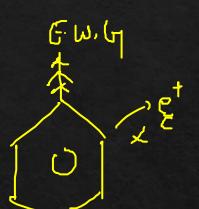
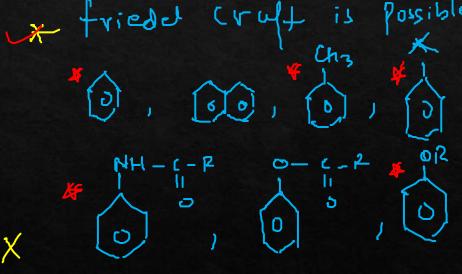


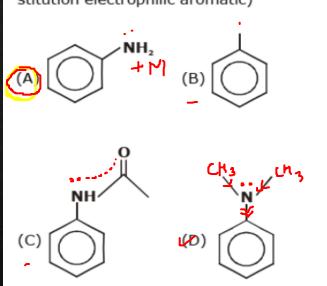
Sol D





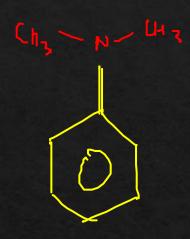


Most reactive towards nitration reaction (Substitution electrophilic aromatic)





Late of electrophilic substitution realtions
is directly propositional e density on
benzew.

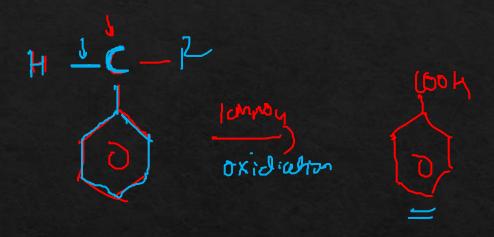


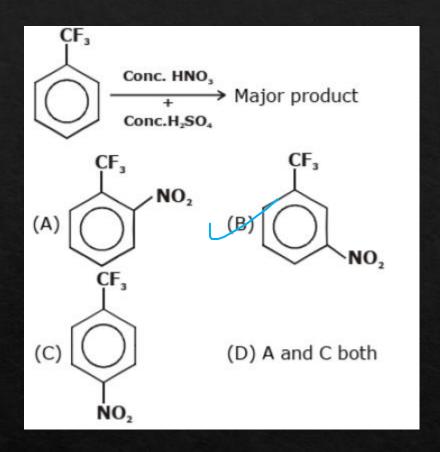


Which of the following compound gives benzoic acid when it reacts with hot KMnO₄ followed by acidification.

Sol D

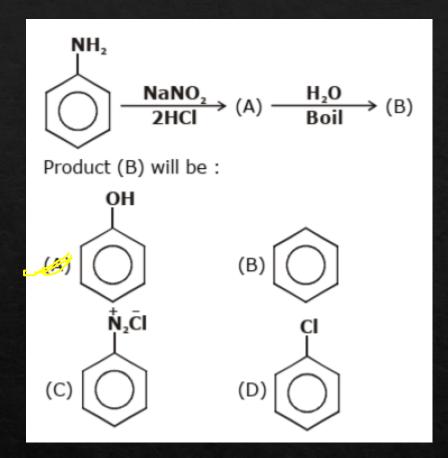






Sol B

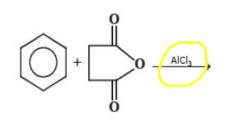




Sol A

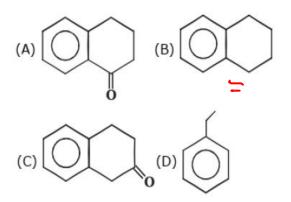




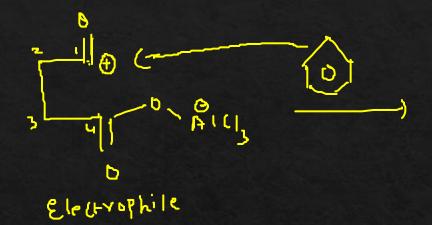


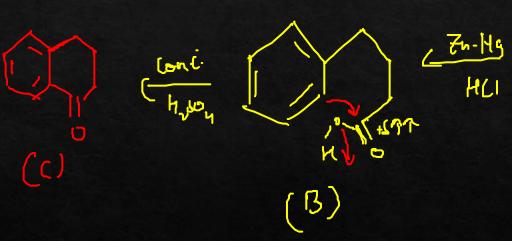
$$\underbrace{\frac{(A)}{HCl}}_{HCl} \xrightarrow{En(Hg)} (B) \xrightarrow{Conc.H_2SO_4} (C) (Major prod-uct)$$

C will be:

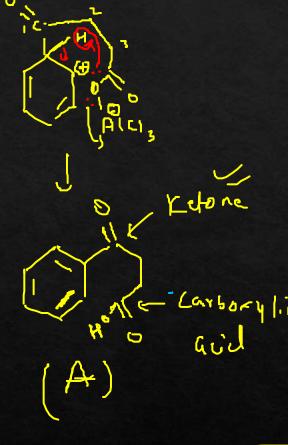


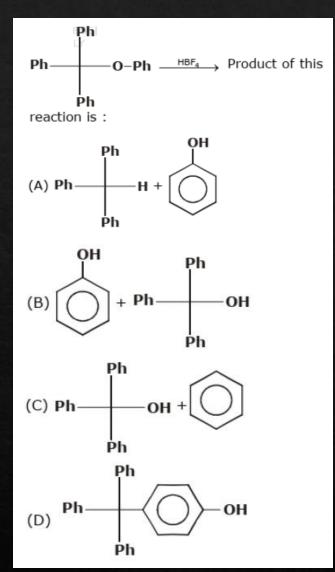
Sol A



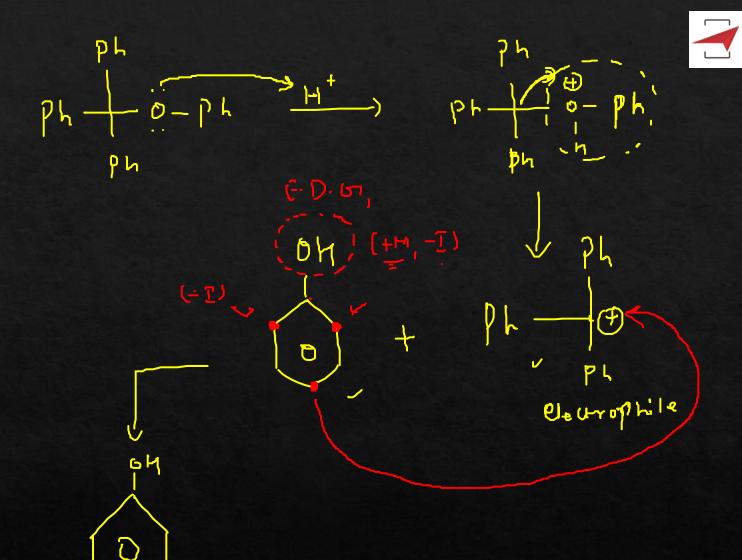


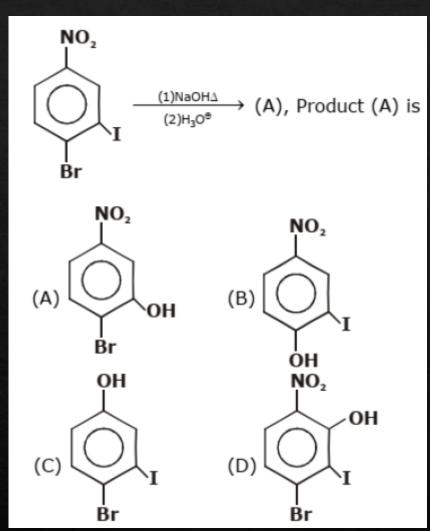


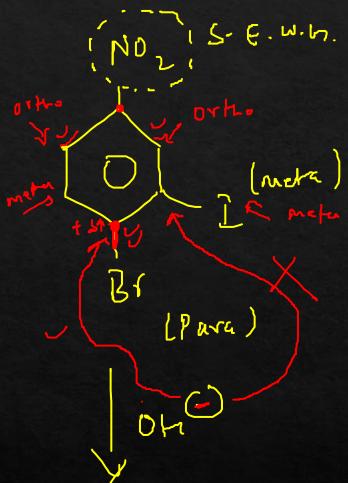




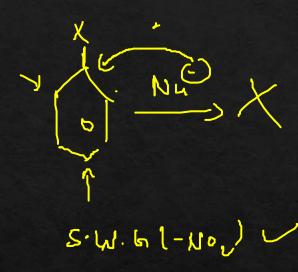
Sol D





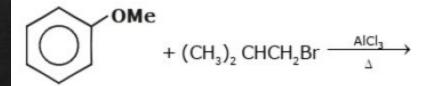






Sol B

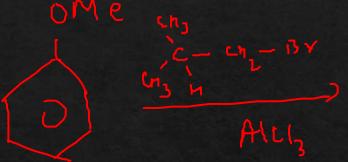
The major product formed in the reaction is:

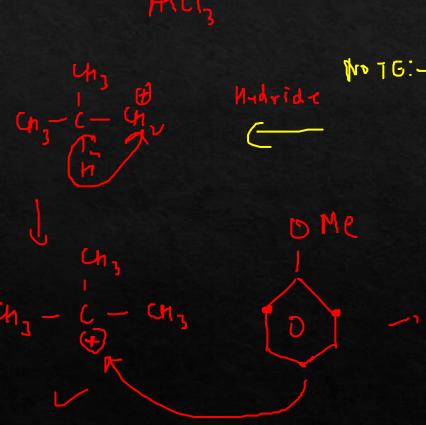


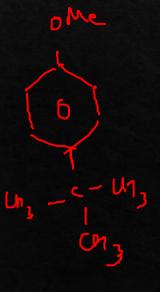
Sol D

(CH₃)₃C

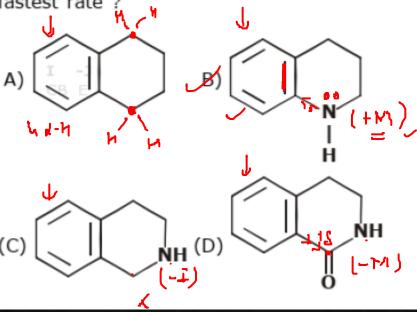








Which one of the following compounds undergoes bromination of its aromatic ring at the fastest rate ?



Sol B



In the reaction the major product formed is :

