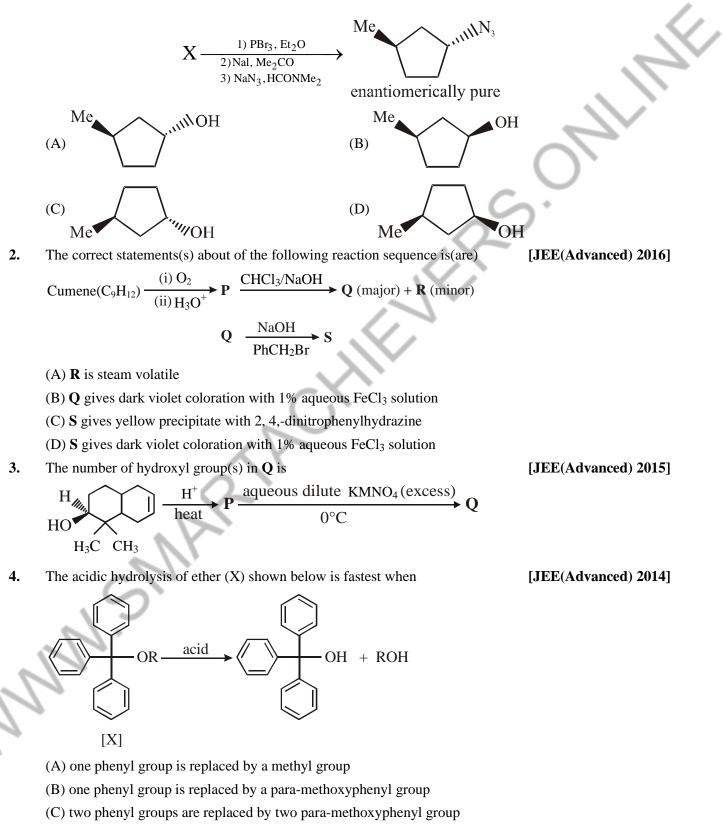
JEE Advanced Chemistry 10 Years Topicwise Questions with Solutions

ORGANIC CHEMISTRY

ALCOHOL, PHENOL & ETHER

1. In the following reaction sequence, the correct structure(s) of X is (are)

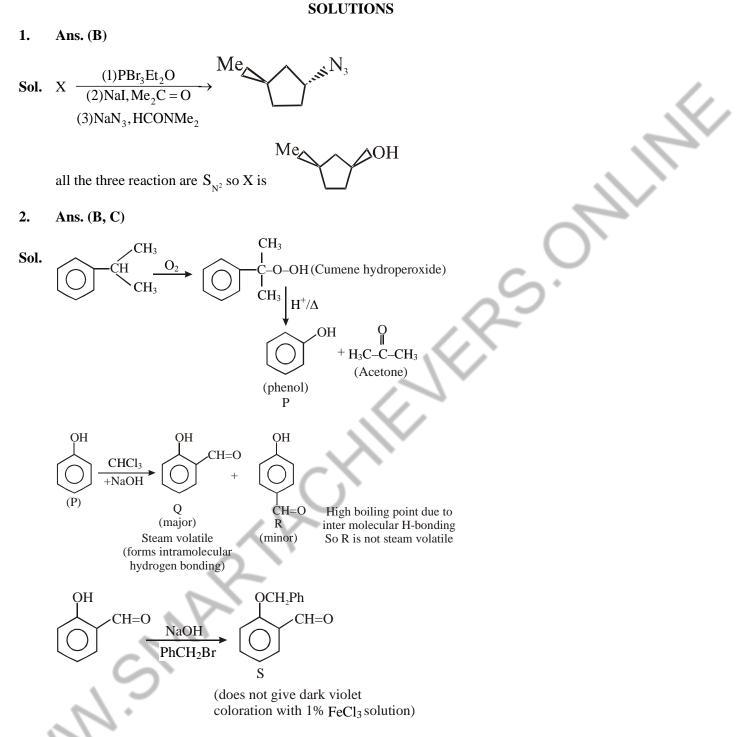
[JEE(Advanced) 2018]



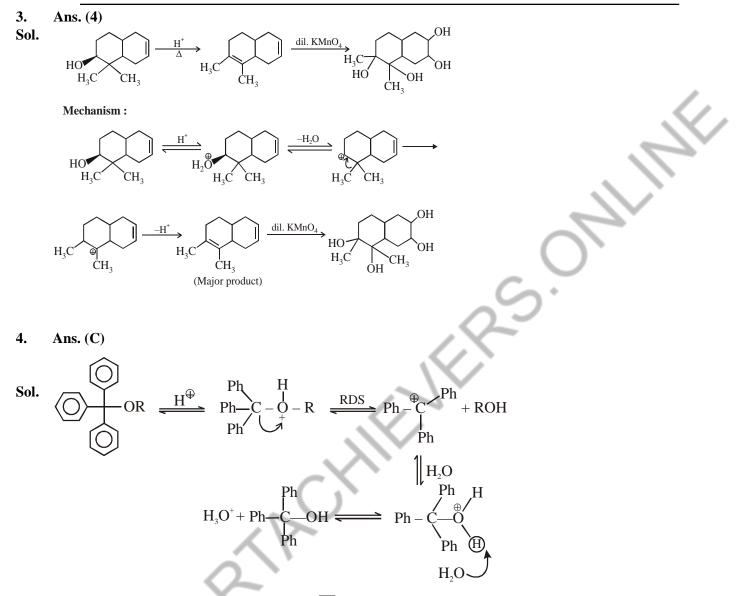
(D) no structural change is made to ${\bf X}$

1

JEE Advanced Chemistry 10 Years Topicwise Questions with Solutions



Q gives dark violet coloration with 1% aqueous FeCl₃ solution because it has phenolic (–OH) group.



If 2 Ph groups are substituted by 2 MeO groups then carbocation formed in above sequence is more stable and rate of above hydrolysis increases.