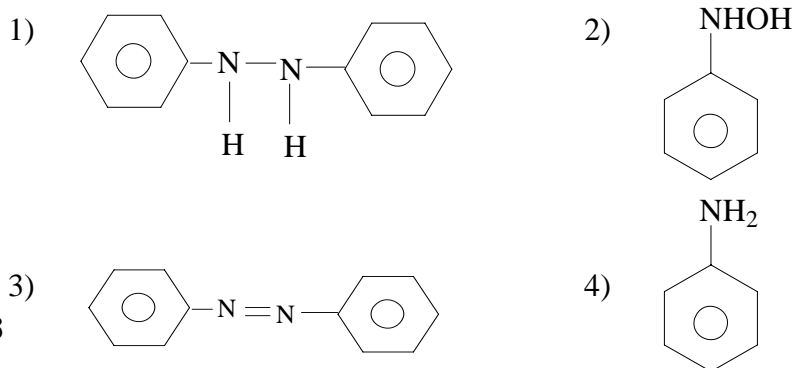


ORGANIC CHEMISTRY - I

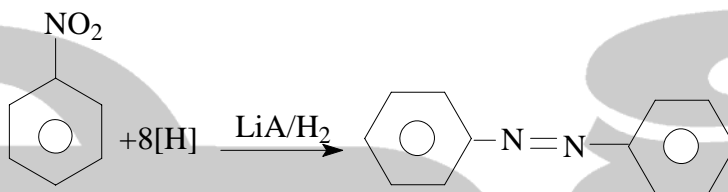
5. NITROGEN CONTAINING COMPOUNDS

PREVIOUS EAMCET BITS

1. The structure of the compound formed, when nitrobenzene is reduced by lithium aluminium hydride (LiA/H₄) is (2008 E)



Ans : 3
Sol:

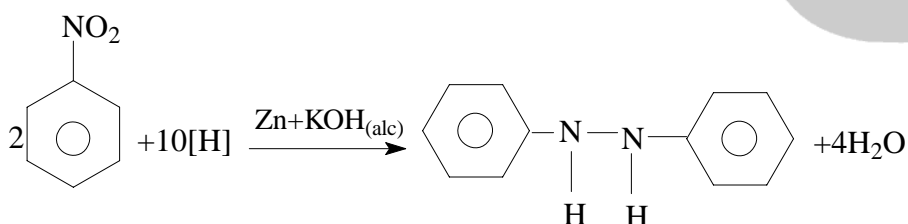


Azo benzene

2. Nitrobenzene undergoes reduction with Zn/alcoholic KOH to form a compound A. The number of Sigma and Pi bonds in A, respectively, are (2008 M)



Ans : 2
Sol:

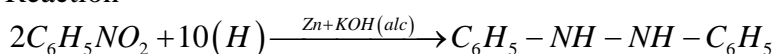


3. Nitrobenzene is reduced by Zn and alcoholic potash mixture to get (2007 M)

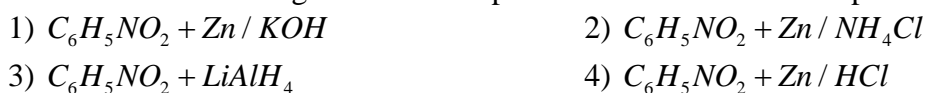


Ans : 2

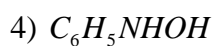
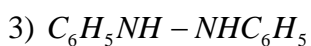
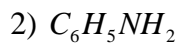
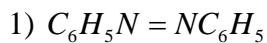
Sol: Reaction



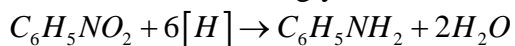
4. Which of the following reactions can produce aniline as the main product? (2006 E)



Ans : 4

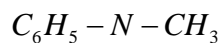
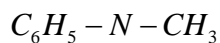
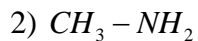
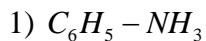


Ans : 2

Sol: When reduced in strongly acid medium ($Sn + HCl$) nitrobenzene gives aniline.

10. Which of the following is a secondary amine?

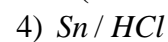
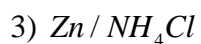
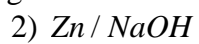
(2000 E)



Ans : 4

Sol. Conceptual

11. Which of the following is used to convert nitrobenzene to azobenzene ? (2000 M)



Ans : 1

Sol:

