

## Preparation Of Organic Compounds Viva Questions With Answers

**Question.1. What is Claisen-Schmidt reaction?**

**Answer.** It is the condensation of aromatic aldehydes with aliphatic ketones (or aryl alkyl ketones) in the presence of dil. NaOH solution.

**Question.2. What is IUPAC name of acetanilide?**

**Answer.** Phenylethanamide.

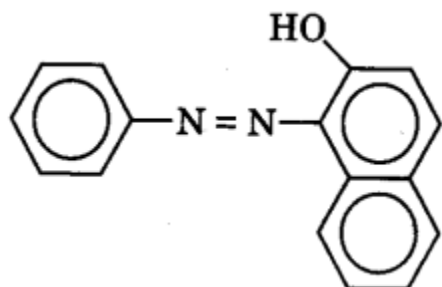
**Question.3. What is the function of zinc dust in the preparation of acetanilide?**

**Answer.**

1. It reduces the coloured impurities present in aniline.
2. It prevents oxidation of aniline during the reaction.

**Question.4. Give the formula of 2-naphthol aniline dye.**

**Answer.**

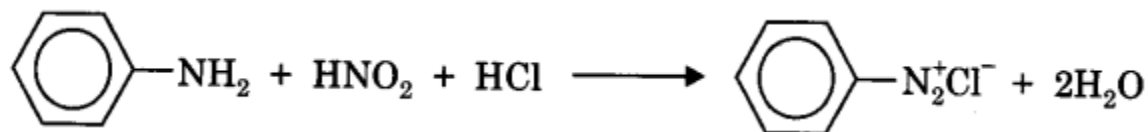


**Question.5. What is the colour of 2-naphthol aniline dye?**

**Answer.** Orange-red.

**Question.6. What is diazotisation reaction?**

**Answer.** It is the reaction of primary aromatic amines with nitrous acid to form diazonium salt. The reaction is carried out at low temperature (below 5°C)



**Question.7. What is coupling reaction?**

**Answer.** It is the reaction of diazonium salts with highly activated benzene rings such as phenolic ring. The reaction involves electrophilic substitution and the product obtained is generally a dye.

**Question.8. Which of the following compounds on diazotisation followed by coupling with  $\beta$ -naphthol will form an azo dye?**

**(i) p-Toluidine (ii) Benzylamine (iii) N-Methylaniline**

**Answer.** P-Toluidine, because it is a primary aromatic amine.