

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

AMINES

SESSION -2024-25

CLASS - 12th

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Time : 1 hr

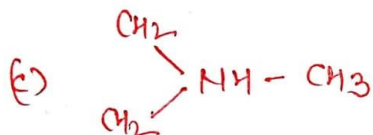
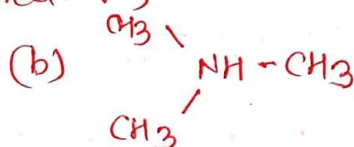
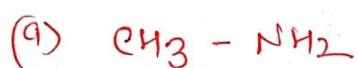
∴ Amines :-

mm: 50

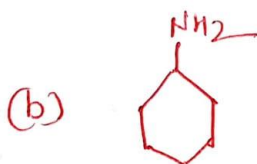
Q. 1. Which of the following reagents would not be a good choice for reducing an aryl nitro compound to an amine? (With explanation)

- (a) H_2 (excess) / Pt (b) $LiAlH_4$ in ether
(c) Fe and HCl (d) Sn and HCl

Q. 2. The most reactive amine towards dilute hydrochloric acid is ---- (With explanation)



Q. 3. Which of the following compounds is the weakest Bronsted base?



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Q.4 Why is benzene diazonium chloride not stored and is used immediately after its preparation?

Q.5. Under what reaction condition (acidic, basic) the coupling reaction of aryl diazonium chloride with aniline is carried out?

Q.6 A compound Z with molecular formula C_7H_9N reacts with $C_6H_5SO_2Cl$ to give a solid insoluble in alkali. Identify Z.

Q.7. Why is aniline soluble in aqueous HCl?

Q.8. How will you carry out the following conversions?

(i) Toluene \rightarrow p-toluidine

(ii) p-toluidine diazonium chloride \rightarrow p-toluic acid.

Q.9. Write following conversions

(i) Nitrobenzene \rightarrow Acetanilide

(ii) Acetanilide \rightarrow p-nitroaniline

Q.10. How will you carry out the following conversions



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