Q4. Amongst the given set of reactants, the most appropriate for preparing 2° amine is (i) 2° R—Br + NH3 (ii) 2° R—Br + NaCN followed by H2/Pt (iii) 1° R—NH2 + RCHO followed by H2/Pt (iv) 1° R—Br (2 mol) + potassium phthalimide followed by H3O+/heat Ans. (iii) 1° R-NH2 + RCHO followed by H2/Pt Q5. Hoffmann Bromamide Degradation reaction is shown by (i) ArNH2 (ii) ArCONH2 (iii) ArNO2 (iv) ArCH2NH2 Ans. (ii) ArCONH2 Explanation: Hoffmann developed a method for preparation of primary amines by treating an amide with bromine in an aqueous or ethanolic solution of sodium hydroxide. In this

degradation reaction, migration of an alkyl or aryl group takes place from carbonyl carbon of the amide to the nitrogen atom.