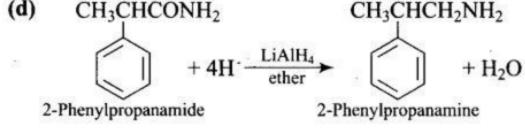
Q2. The best reagent for converting 2-phenylpro-panamide into-2-phenyl- propanamine is .

(a) excess H₂

(b) Br₂ in aqueous NaOH

(c) iodine in the presence of red phosphorus(d) LiAlH₄ in ether

Solution:
(d) CH₃CHCONH₂



Q3. The best reagent for converting-2-phenylpro-panamide into 1-phenylethana- mine is . (a) excess H₂/Pt (b) NaOH /Br₂

(c) NaBH₄/methanol (d) LiAlH₄/ether

Solution:

(b) $CH_3 - CH - CONH_2$ C_6H_5 2-Phenylpropanamide C_6H_5 Br₂/NaOH

(Hofmann's bromamide reaction) C_6H_5 1-Phenyletanamine