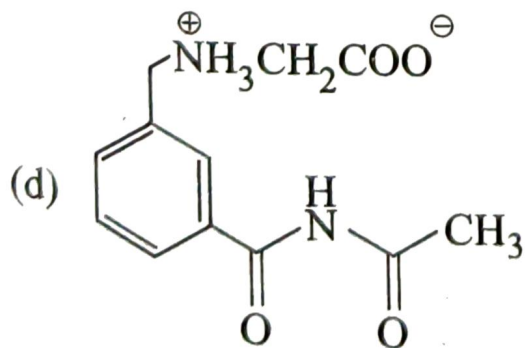
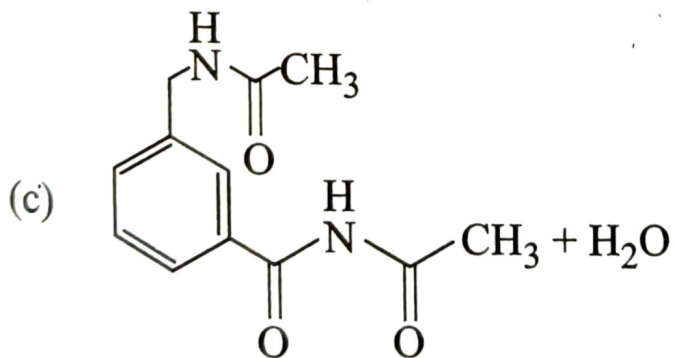
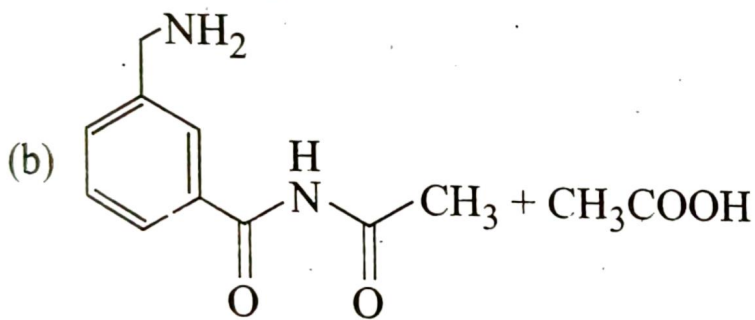
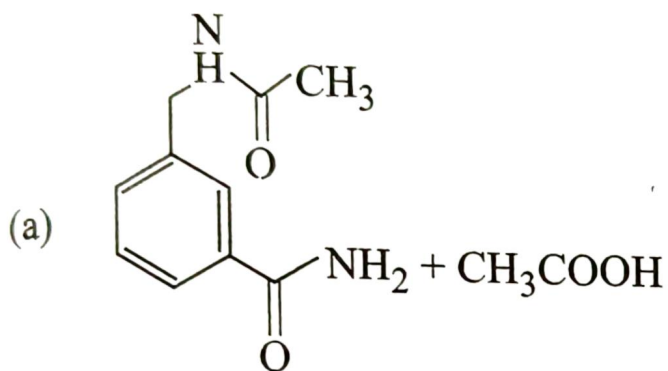
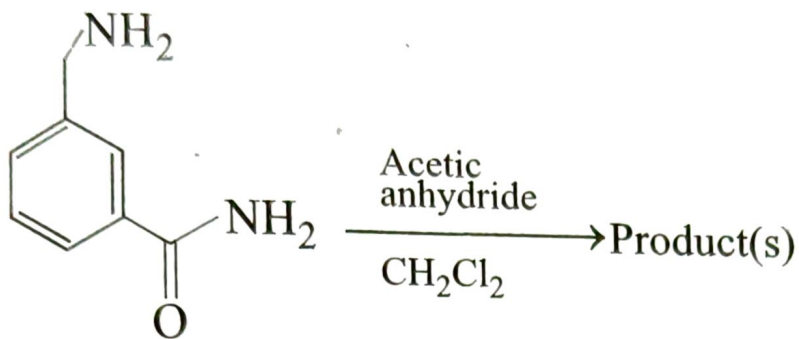
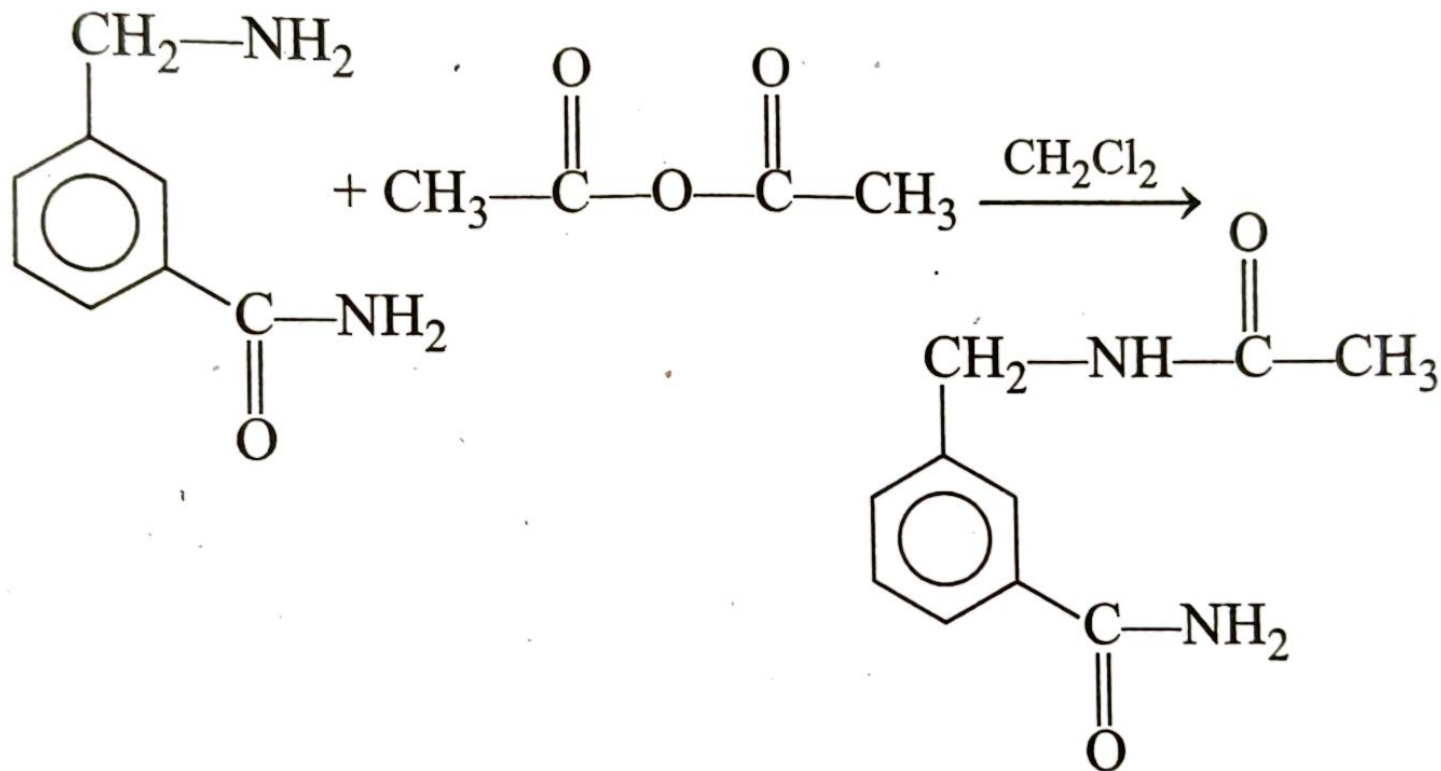


31. In the reaction shown below, the major product(s) formed is/are (2014 Adv.)



31. PLAN This problem includes concept of acetylation reaction and regioselectivity of chemical reaction.

Regioselectivity means which group will react selectively in the presence of two or more than two functional groups. Here, among two functional group —NH_2 and —CONH_2 , NH_2 is more nucleophilic, hence NH_2 group will undergo reaction faster than CONH_2 .



—CH₂—NH₂ is more nucleophilic than —C(=O)—NH₂.

Hence, correct choice is (a).