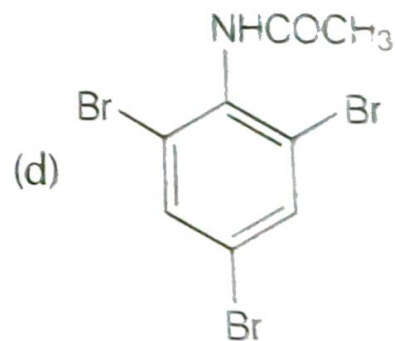
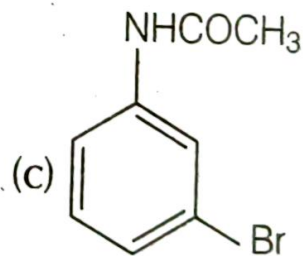
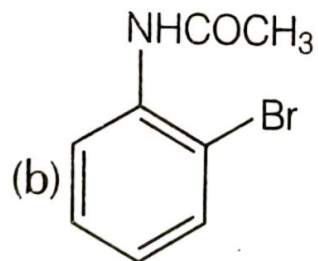
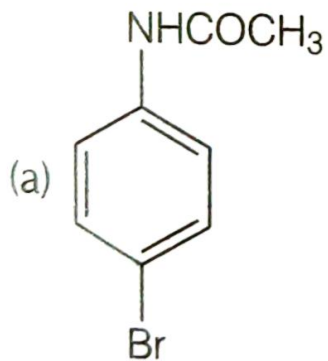
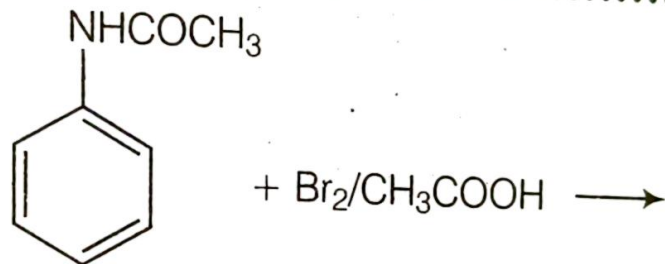
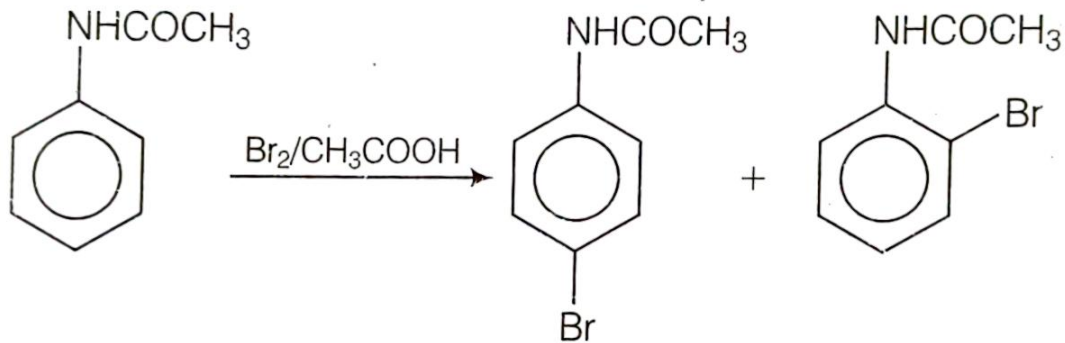


Q. 32 The product of the following reaction is



Ans. (a, b)

N-acetylaniline on reaction with Br_2 in presence of acetic acid produces *p*-bromo N-acetyl aniline (major) and *o*-bromo-N acetyl aniline (minor) as follows



The N-acetyl group is a *ortho*, *para* directing group.

Hence, (a) and (b) are correct.