

29. The product(s) of the following reaction sequence is (are)
(2017, Adv.)



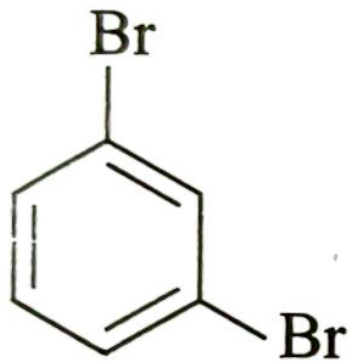
(i) Acetic anhydride/Pyridine

(ii) KBrO_3/Br

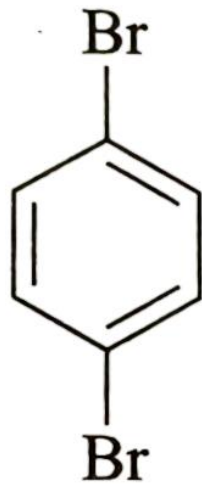
(iii) H_3O^+ , Heat

(iv) NaNO_2/HCl , 273-278 K

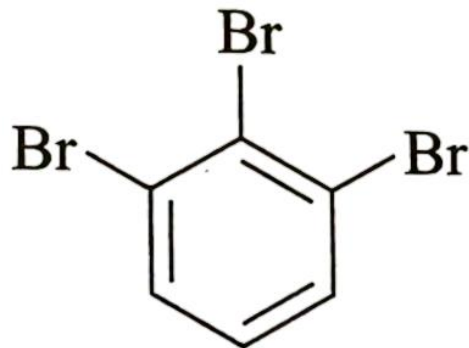
(v) Cu/HBr



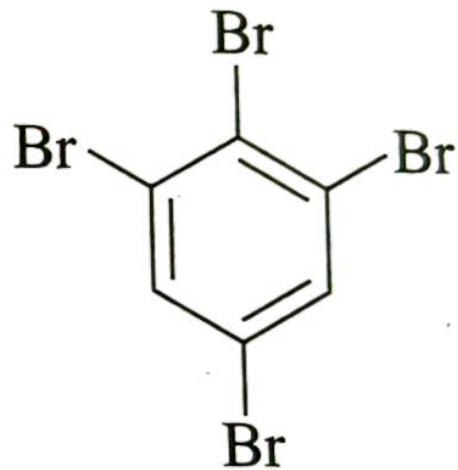
(a)



(b)

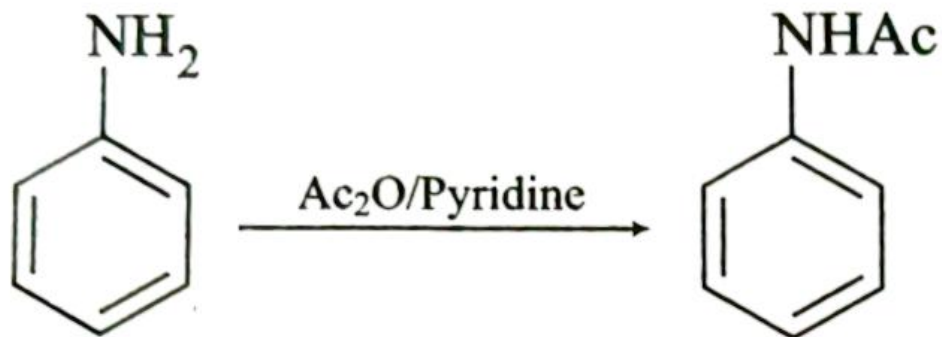


(c)



(d)

29.



Ac is CH_3CO (acetyl), it protects $-\text{NH}_2$ group from being oxidised.

