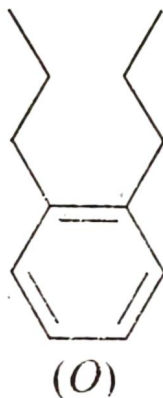
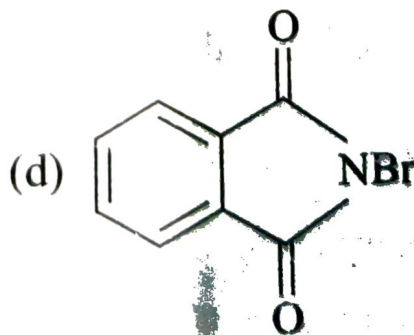
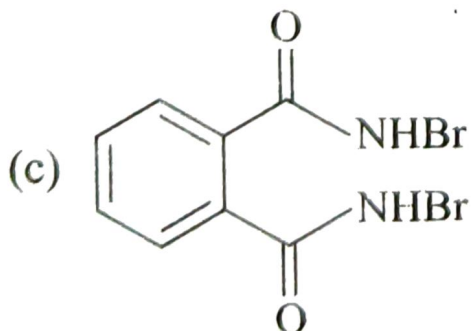
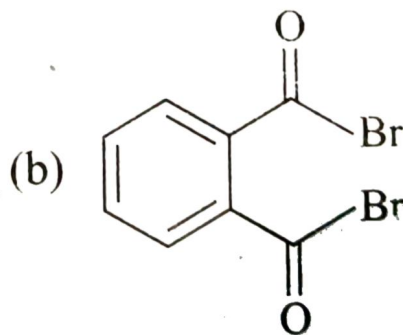
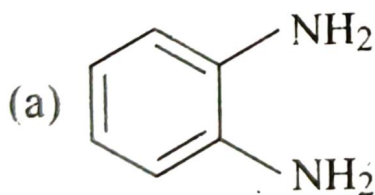


Passage Based Questions

Treatment of compound *O* with $\text{KMnO}_4 / \text{H}^+$ gave *P*, which on heating with ammonia gave *Q*. The compound *Q* on treatment with $\text{Br}_2 / \text{NaOH}$ produced *R*. On strong heating, *Q* gave *S*, which on further treatment with ethyl 2-bromopropanoate in the presence of KOH followed by acidification, gave a compound *T*.4 (2016 Adv.)



42. The compound *R* is



43. The compound *T* is

(a) glycine

(c) valine

(b) alanine

(d) serine

42. (a)

43. Explanation

