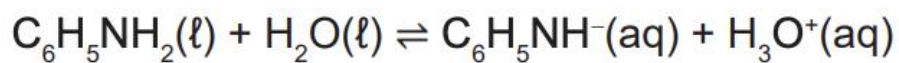


15. The reaction of aniline ( $\text{C}_6\text{H}_5\text{NH}_2$ ) with water is an equilibrium process:



A conjugate acid-base pair in this process is

- (a)  $\text{C}_6\text{H}_5\text{NH}^-$  and  $\text{H}_2\text{O}$
- (b)  $\text{C}_6\text{H}_5\text{NH}_2$  and  $\text{C}_6\text{H}_5\text{NH}^-$
- (c)  $\text{C}_6\text{H}_5\text{NH}^-$  and  $\text{H}_3\text{O}^+$
- (d)  $\text{H}_3\text{O}^+$  and  $\text{C}_6\text{H}_5\text{NH}_2$