

Which of the following is a Lewis acid ?

- (i)  $\text{AlCl}_3$
- (ii)  $\text{MgCl}_2$
- (iii)  $\text{CaCl}_2$
- (iv)  $\text{BaCl}_2$

Ans :  $\text{AlCl}_3$

Reason : Lewis Acid Vacant D orbital and incomplete octet

Allow sharing of e-.