

18. Although  $\text{CN}^-$  ion and  $\text{N}_2$  molecule are isoelectronic, yet  $\text{N}_2$  molecule is chemically inert because of

[Online May 12, 2012]

- (a) presence of more number of electrons in bonding orbitals
- (b) low bond energy
- (c) absence of bond polarity
- (d) uneven electron distribution.

Ans. (c)

18. (c) In nitrogen molecule, both the nitrogen atoms have same electronegativity. So it has zero polarity and hence less tendency to break away and forms ions.