

Bonding and hybridisation in organic compounds

61. Allyl cyanide contain σ - and π -bonds

- (a) $9\sigma, 3\pi$ (b) $9\sigma, 9\pi$
(c) $3\sigma, 4\pi$ (d) $5\sigma, 7\pi$

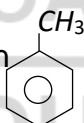
62. Strongest acid i

- (a) $HC \equiv CH$ (b) C_2H_6
(c) C_6H_6 (d) CH_3OH

63. $-C \equiv C-$ bond is found in

- (a) Ethene (b) Butene
(c) Ethyne (d) Glycerine

64. Number of σ bonds in



- (a) 6 (b) 15
(c) 10 (d) 12

65. Number of bonds in benzene

- (a) 6σ and 3π (b) 12σ and 3π
(c) 3π and 12π (d) 6σ and 6π

66. Which is most acidic of the following

- (a) Methane
(b) Acetylene
(c) 1-butene
(d) Neo-pentane

67. The enolic form of acetone contains

(a) 8σ bonds, 2π -bonds and 1 lone pairs

(b) 9σ -bonds, 1π -bond and 2 lone pairs

(c) 9σ -bonds, 2π -bonds and 1 lone pairs

(d) 10σ -bonds, 1π -bonds and 1 lone pairs

