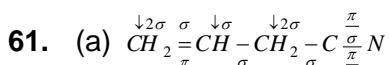


Bonding and hybridisation in organic compounds

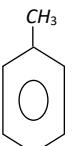


Allyl cyanide

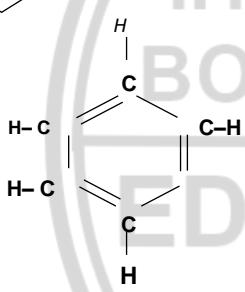
Total 9 σ bond and 3 π bond.

62. (d) Because hydrogen is attached with high electronegative element.

63. (c) $CH \equiv CH$
Ethyne

64. (b)  has 15 σ bonds.

65. (b)



66. (b) The s -character of $C-H$ bond of acetylene is higher in comparison to $C-H$ bond of ethene and ethane. The electrons of the $C-H$ bond in acetylene are strongly held by carbon nuclei. This facilitates the removal of hydrogen as proton.

67. (b) $CH_3 - \begin{array}{c} :OH \\ | \\ C = CH_2 \\ 9\sigma 1\pi & 2L.p \end{array}$

