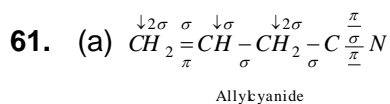
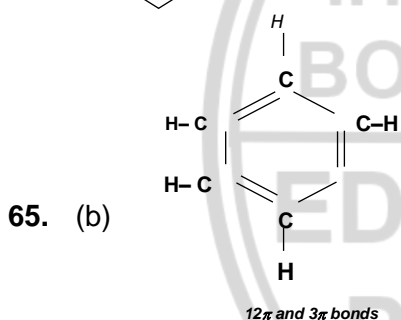
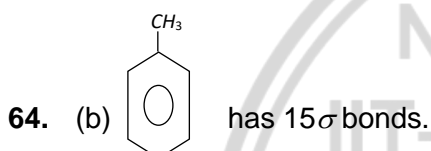
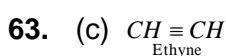


## Bonding and hybridisation in organic compounds



Total  $9\sigma$  bond and  $3\pi$  bond.

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



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.

