Date Planned : __ / __ / __	Daily Tutorial Sheet - 11	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Numerical Value Type for JEE Main	Exact Duration :_____

126. The number of three centre two electron bonds in a molecule of diborane is_____.

127. How many hydrogen bonded water molecules are present in $CuSO_4 \cdot 5H_2O$?

128. How many equitorial bonds are there are in PCl_5 ?

129. The number of completely filled π molecular orbitals in ground state of C_2 is_____.

130. The number of non-bonding electrons of N_2 is_____.

131. The π^* molecular orbital has _____ nodal planes.

132. How many lone pairs are there at xenon in $XeOF_4$?

133. The number of $(p\pi - d\pi)$ bonds in XeO_4 is_____.

134. The number of $(P = O)$ bonds in P_4O_{10} is_____.

135. The number of covalent bonds in C_3O_2 is_____.

136. The maximum possible number of hydrogen bonds in which a water molecule can participate in ice is_____.

137. How many 'sp' hybrid orbital are there in allene C_3H_4 ?

138. Total number of species among following, in which bond angle (w.r.t. central atom) is equal to or less than 109°28' and also they act as Lewis base.

NH_3, NMe_3, $O(SiH_3)_2$, ICl_4^-, XeO_3, BF_2Cl, SiF_4, AsH_3, SO_2F_2

139. The number of species which has/have symmetrical electronic distribution in their HOMO and also paramagnetic.

N_2^+, O_2^{2-}, C_2, O_2, B_2, C_2^{2-}, N_2^{2-}

140. Total number of molecules which can form H-bond among themselves.

SiH_3OH, HCN, $B(OMe)_3$, $NHMe_2$, CH_3CONH_2, HCHO, HCOOH, NH_2OH, H_4SiO_4