Date Planned : __ / __ / __	Daily Tutorial Sheet - 13	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Level - 3	Exact Duration :_____

147. The correct increasing bond angle order is :

(A) $BF_3 < NF_3 < PF_3 < ClF_3$ **(B)** $ClF_3 < PF_3 < NH_3 < BF_3$

(C) $BF_3 = NF_3 < PF_3 < ClF_3$ **(D)** $BF_3 < NF_3 < PF_3 < ClF_3$

148. Identify the false statement.

(A) Anhyd. $FeCl_3$ cannot exist in dimeric form

(B) Maximum polarisation is brought about by a cation of high charge

(C) The bond dissociation energy of a metallic bond is greater than that of a hydrogen bond.

(D) The conversion of Na to Na^+ is an endothermic process

149. N_2CO has three possible structures :

ONCN (nitrosyl cyanide), ONNC (nitrosyl isocyanide) NOCN (isonitrosyl cyanide). Which of the following structures has lowest potential energy?

(A) ONCN **(B)** ONNC **(C)** NOCN **(D)** All have same energy

150. Which of the following compounds has least dipole moment ?

(A) PH_3 **(B)** $CHCl_3$ **(C)** NH_3 **(D)** BF_3

151. If two different non-axial d-orbitals having 'xz' nodal plane form π – bond by overlapping with each other, then internuclear axis will be :

(A) x-axis **(B)** y-axis **(C)** z-axis **(D)** They don't form π – bond

152. Which of the following diatomic molecules would be stabilized by the removal of an electron?

(A) C_2 **(B)** CN **(C)** N_2 **(D)** O_2