

7. Which molecule or ion hasn't a similar shape to the shape of N_2O
 1) NO_2^+ 2) ClO_2^- 3) BeCl_2 4) I_3^- 5) CO_2
8. Which of the following pair of molecules has same electronic geometry?
 (1) H_2O and SO_2 (2) NH_3 and IF_5 (3) ICl_3 and ICl_2^-
 (4) CCl_4 and PCl_6^- (5) ICl_3 and CCl_4
9. In below structure oxidation state and valency of X atom are same. X can be,

$$\begin{array}{c} \text{F} \\ | \\ \text{F} - \text{X} = \text{O} \\ | \\ \text{F} \end{array}$$

 1) N 2) S 3) P 4) Cl 5) C
10. Identify the molecule or ion from those given below whose shape is distinctly different from that of SO_3^{2-} ion.
 (1) ClO_3^- (2) PCl_3 (3) SOCl_2 (4) H_3O^+ (5) NO_3^-

***** Weekly Term Test Challenge – 15*****