



Sri Sainath Nagar, Tirupati – 517 102

Holiday Homework (30-09-2018 to 07-10-2018)

Classes: XII A

Subject: CHEMISTRY

1. Write the *names, symbols, atomic numbers and electronic configurations* of the following:

Group 15, Group 16, Group 17 and Group 18 elements.

2. Draw the structures of N_2O , NO , N_2O_3 , NO_2 , N_2O_4 and N_2O_5 molecules.

3. Write the names of the following oxyacids of phosphorus:

H_3PO_4 , $\text{H}_4\text{P}_2\text{O}_7$, H_3PO_3 , H_3PO_2 and $(\text{HPO}_3)_3$.

Draw their structures.

4. Draw the structures of P_4 , S_8 , S_6 and O_3 molecules.

5. Draw the *flow diagram* for the manufacture of sulphuric acid by *contact process*.

6. Draw the structures of XeF_2 , XeF_4 , XeF_6 , XeOF_4 , XeO_2F_2 and XeO_3 .