

# *Doon Public School*

A Senior Secondary School  
Sector- 21, Panchkula. Ph: 0172- 2590514

**Assignment– 2**

**Subject: chemistry**

**Class: XI**

**Date: 10-08-2018**

## **INSTRUCTIONS:**

- **Do the given assignment in your assignment note book.**

**Answer the following questions.**

1. Draw energy level diagram for  $f_2$  molecule.
2. Explain  $sp^3$  hybridisation with suitable example.
3. Explain why  $BeH_2$  molecule has a zero dipole moment although the Be-H bonds are polar.
4. Write the application of dipole moment.
5. Define –(i) bond order (II) lattice enthalpy (III) hybridisation (iv) resonance