**Karan Arora** **R.L. Chemistry Classes M: 99968-68554**

**Max Time : 1 hr** **Class = 11th Chemistry Test**  **Max Marks : 25**

**Chemical Bonding**

**(upto Hybridisation)**

1. Define Bond length. [ 1 ]
2. Define Lattice energy. How is it related to the stability of an ionic compound? [ 2 ]
3. Write factors on which Bond dissociation energy depends. [ 2 ]
4. Write the properties of ionic compound. [ 3 ]
5. Write Born Harber cycle for the formation of NaCl. [ 3 ]
6. Write 3 difference between Sigma Bond and Pia Bond. [ 3 ]
7. Arrange the following in increasing order of covalent character: [ 3 ]

(a) NaBr and NaI (b) NaBr and RbBr (c) MgI­2 and AlI3

1. Find Hybridization of the following: [ 1 x 8 = 8 ]

(a) XeO3F2 (b) XeF4 (c) SF4 (d)

(e) (f) (g) (h)

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