

**Bs/CHEM.M-1 (T) (AK)**

**2 0 2 5**

( FYUGP )

( 1st Semester )

**CHEMISTRY**

( MINOR )

Paper Code : Chem.M-1 (T)

**( Inorganic Chemistry—I : Atomic Structure  
and Chemical Bonding )**

( PART : A—OBJECTIVE )

( Marks : 25 )

**KEY ANSWERS FOR OBJECTIVES**

Put a Tick (✓) mark against the correct answer in the  
brackets provided : 1×15=15

1. (a) Bohr's theory
2. (b) <sup>2</sup>
3. (c) cloverleaf
4. (b) Slater's rules
5. (a) Li

**/9K**

( 2 )

6. (b) negative
7. (b) increasing bond order
8. (b) transition elements
9. (d)  $F_2$
10. (b) NO
11. (a) hydrogen bonding
12. (b) 0.225–0.414
13. (b)  $sp^2$
14. (d) lattice energy
15. (d) Increase in negative charge on the atom or ion undergoing reduction

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