

**Bs/CHEM.GE-4 (AK)**

**2 0 2 4**

( CBCS )

( 4th Semester )

**CHEMISTRY**

Paper No. : CHEM.GE-4 (T)

**( Coordination Chemistry, States of Matter and  
Chemical Kinetics )**

**KEY ANSWERS FOR OBJECTIVES**

( PART : A—OBJECTIVE )

( Marks : 25 )

SECTION—I

( Marks : 15 )

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

1. (a)  $[\text{Ar}]3d^{1-10}4s^{1-2}$

2. (b) +3

3. (b) high-spin complex

4. (c) purely electrostatic

**/1058K**

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5. (b) Optical and geometrical isomerism
6. (c) potassium tetrafluoridoborate(III)
7. (d) All of the above
8. (a) low pressure high temperature
9. (a) compressibility factor
10. (b) increase with decreasing temperature
11. (b) liquid's resistance to flow
12. (d) Isometric
13. (b) face-centred cubic
14. (a) Law of constancy of interfacial angles
15. (a) strong

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