

d-BLOCK ELEMENTS

Std. XII
CHEMISTRY

Time: 30 mts
Max. Marks: 25

- Spitting of silver is prevented by
 - Sulphur
 - Charcoal
 - Phosphorous
 - Iron
- The expected electronic configuration of copper is
 - $[\text{Ar}] 3d^{10} 4s^1$
 - $[\text{Ar}] 3d^9 4s^1$
 - $[\text{Kr}] 5s^2 5p^3$
 - $[\text{Ar}] 3d^8 4s^2$
- Ignition mixture used in Aluminothermic process is
 - Mg powder + BaO_2
 - Mg powder + PbO_2
 - Mg powder + Mg ribbor
 - Mg powder + Al powder
- Aquaregia is the mixture of con. HNO_3 + and Con. HCl in the ratio of
 - 3:1
 - 1:1
 - 1:3
 - 2:1
- Which on heating does not produce oxygen?
 - $\text{K}_2\text{Cr}_2\text{O}_7$
 - KMnO_4
 - AgNO_3
 - ZnCO_3
- Silver does not react with
 - dil. HCl
 - con. H_2SO_4
 - dil and con. HNO_3
 - KCN
- First d-series is present in the period
 - 2
 - 3
 - 4
 - 5
- The element with small atomic radii in the first d-series is
 - Sc
 - Zn
 - Ni
 - Mn
- Number of d-electrons in Sc^{3+} ion is
 - 4
 - 1
 - 3
 - 0
- Purple of Cassius is
 - Silver colloid
 - Magnesium colloid
 - Colloidal gold
 - Colloidal sulphur
- Lunar caustic is
 - ZnSO_3
 - AgNO_3
 - PbS
 - Ag_2Cl_2

