

Dumkal College

Basantapur, Dumkal



Model questions

Topic: IUPAC Nomenclature of coordination chemistry

Course Code : CHEMHT-9

Semester-IV (Hons)

Name of the teacher: Saleha Khatun

A. Name the following complex compounds or ions

- i) $[\text{Al}(\text{H}_2\text{O})_6]\text{Br}_3$
- ii) $[\text{Cr}(\text{NH}_3)_6]\text{Cl}_3$
- iii) $\text{K}_3[\text{FeF}_6]$
- iv) $[\text{Zn}(\text{OH})_4]^{-2}$
- v) $[\text{Co}(\text{H}_2\text{O})_4\text{Cl}_2]\text{Cl}$
- vi) $[\text{Cu}(\text{NH}_3)_4]^{+2}$
- vii) $\text{K}_2[\text{SnCl}_6]$
- viii) $[\text{Pt}(\text{NH}_3)_4\text{Cl}_2][\text{PtCl}_6]$

B. Write the formula for each of the following complex compounds or ions.

1. Hexaamminecobalt (III) chloride
2. Diamminetetrabromoplatinum (VI) bromide
3. Tetraaquacadmium (II) nitrate
4. Diamminesilver (I) ion
5. Sodium tetracyanocuprate (I)
6. Silver hexacyanoferrate (II)
7. TetraammineoxalatonickeI (II)