Tutorial -2 8/04/2022

Q1. Name of the following complexes:

1. [PtCl2(NH3)4]2+
2. [Ni(CO)3(py)]
3. [Cr(edta)]-
4. [CoCl2(en)2]+
5. [Rh(CO)2I2]-

Q2. What types of isomerism are possible for complexes with the following molecular formulas:

(a) [Pt(Pet3)3SCN]+

(b) CoBr(NH3)5SO4

(c) FeCl2(H2O)6

Q.3 Give formulas for

(a) chloridopentaamminecobalt(III) chloride

(b) hexaaquairon(3+) nitrate

(c) cis-dichloridobis(1,2-diaminoethane)ruthenium

(d) µ-hydroxidibis(pentaamminechromium(III))chloride.

Q4. Why coordination number 1 is rare for complexes?

Q5. Examples of complexes with coordination number 1?