

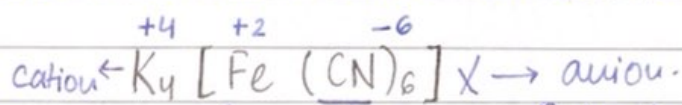
INORGANIC CHEMISTRY

Date _____

CHAP : 05

NOMENCLATURE OF COMPLEXES BY I.U.P.A.C SYSTEM:

RULES FOR ASSIGNING NAMES TO COMPLEXES :



metal
atom.

Ligands

Potassium hexacyanoferrate (II)

- 1) First write the name of Cation.
- 2) Then write the names of ligands mentioning their numbers.
- 3) If different types of ligands are present then their names are written in alphabetical order.
- 3) Write the name of central metal atom. If complex is negative then Greek or Latin names of the metals are used which should be ended in (-ate). If the complex is neutral or positive then simple english names are used. (-ve or 0)
- 4) In the last write the oxidation number of the metal atom in Roman numbers with in Parenthesis ().

* The names of the neutral ligands usually remain unchanged. Two exceptions are water and ammonia.

H₂O aquo NH₃ amine.

* two = di

three = tri

four = tetra

five = penta

six = hexa and so on.