

a) The complex part is anionic. Hence central metal atom is written as palladate.

b) O.S. of Pd is

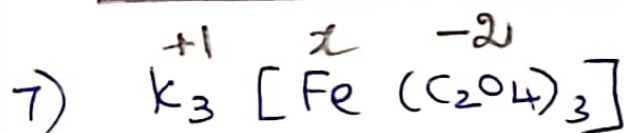
$$2(+1) + x + 4(-1) = 0$$

$$x = 2$$

c) NOTE:- The number of ions must not be written. i.e. say Dipotassium should not be used

IUPAC name is

Potassium tetrachloridopalladate (II)



a) The cationic part is Potassium (simple ion)

b) The anionic part is complex. Hence the central metal atom Fe should be named as ferrate.

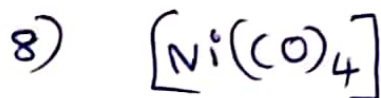
c) O.S. of Fe is determined as

$$3(+1) + x + 3(-2) = 0$$

$$x = +3$$

d) As per rule, cation is written first followed by anionic part.

Potassium trioxalatoferrate (III)



CO is a neutral ligand. charge is zero.

Tetra carbonylnickel (0)