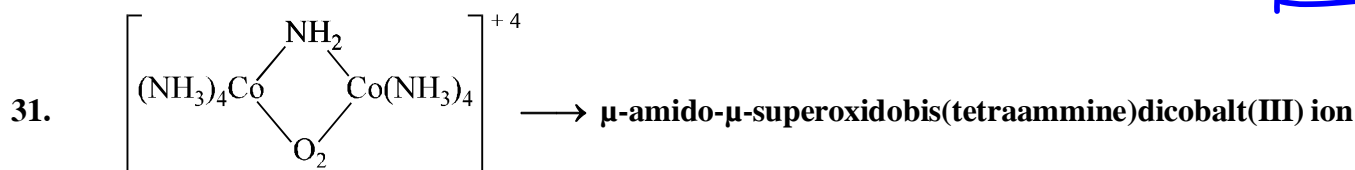
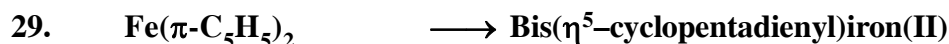
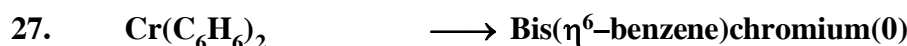
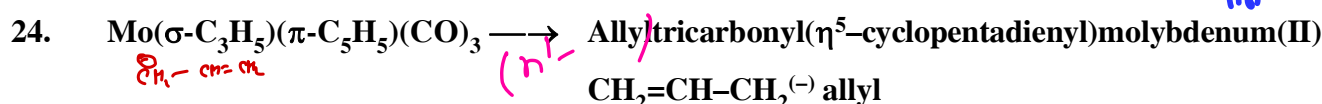
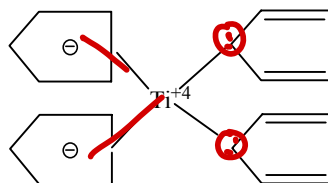


RACE # 14

INORGANIC CHEMISTRY

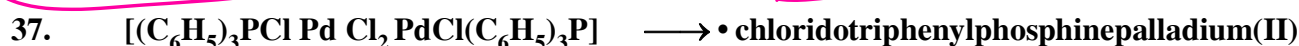
TIME : 90 Min.

1. $K_2[HgI_4]$ \longrightarrow Potassium tetraiodidomercurate(II)
2. $LiAlH_4$ \longrightarrow Lithium tetrahydridoaluminate(III)
3. $K_3[Fe(CN)_6]$ \longrightarrow Potassium hexacyanidoferrate(III)
4. $K_2[PtCl_6]$ \longrightarrow Potassium hexachloridoplatinate(IV)
5. $[PtCl_2(NH_3)_2]$ \longrightarrow Diamminedichloridoplatinum(II)
6. $[Co(NH_3)_6]Cl_3$ \longrightarrow Hexaamminecobalt(III) chloride
7. $[Fe(en)_3]Cl_3$ \longrightarrow Tris(ethylenediamine)iron(III) chloride
8. $K_3[Ir(C_2O_4)_3]$ \longrightarrow Potassium tris(oxalato)iridate(III)
 \longrightarrow Potassium trioxalatoiridate(III)
9. $[Co(NCS)(NH_3)_5]Cl_2$ \longrightarrow Pentaammineisothiocyanatocobalt(III) chloride
Pentaamminethiocyanato-Ncobalt(III) chloride
10. $[CoBr(ONO)(en)_2]^{+1}$ \longrightarrow Bromidobis(ethylenediamine)nitrito-Ocobalt(III) ion
11. $[(CO)_3Fe(CO)_3Fe(CO)_3]$ \longrightarrow Tri- μ -carbonylbis(tricarbonyl iron(0))
12. $[CoI(NH_3)_5]SO_4$ \longrightarrow Pentaammineiodidocobalt(III) sulphate
13. $[Co(NH_3)_6][Co(ONO)_6]$ \longrightarrow Hexaamminecobalt(III) hexanitrito-Ocobaltate(III)
14. $(NH_4)_2[Pt(SCN)_6]$ \longrightarrow Ammonium hexathiocyanato-Splatinatate(IV)
 \longrightarrow Ammonium hexathiocyanatoplatinate(IV)
15. $[(NH_3)_5CrOHCr(NH_3)_4(H_2O)]^{5+}$ \longrightarrow Pentaamminechromium(III) μ hydroxidotetraammine
aquo chromium(III) ion
16. $(NH_4)_3[Cr(NCS)_6]$ \longrightarrow Ammonium hexaisothiocyanatochromate(III)
 \longrightarrow Ammonium hexathiocyanato-Nchromate(III)
17. $[Pt(NH_3)_4][PtCl_4]$ \longrightarrow Tetraammineplatinum(II) tetrachloridoplatinate(II)
18. $(NH_4)_4[Mo(CN)_8]$ \longrightarrow Ammonium octacyanidomolybdate(IV)
19. $[FeF_6]^{3-}$ \longrightarrow Hexafluoridoferrate(III) ion
20. $[CoCO_3(NH_3)_5]Cl$ \longrightarrow Pentaamminecarbonatocobalt(III) chloride



Tetraamminecobalt(III) μ -amido- μ -superoxidotetraamminecobalt(III) ion

μ -amido- μ -superoxidobis{tetraamminecobalt(III)} ion

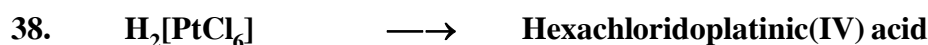


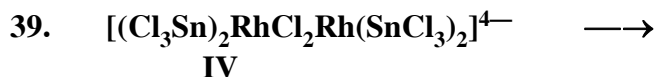
di- μ -chloridochloridotriphenylphosphinepalladium(II)

• di- μ -chloridodichloridobis(triphenylphosphine)dipalladium(II)

• di- μ -chloridobis{chloridotriphenylphosphinepalladium(II)}

• bis{ μ -chloridochloridotriphenyl phosphinepalladium(II)}





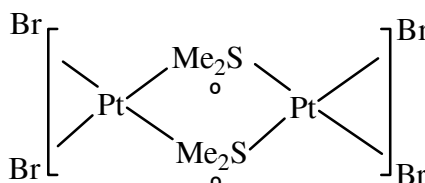
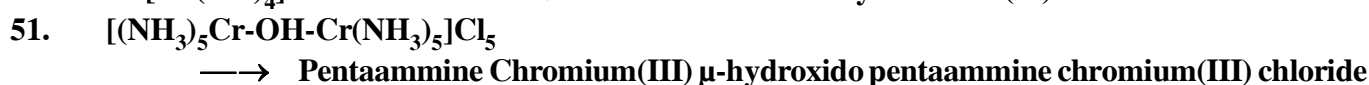
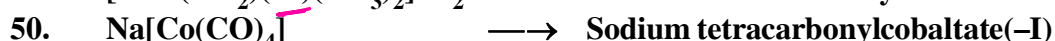
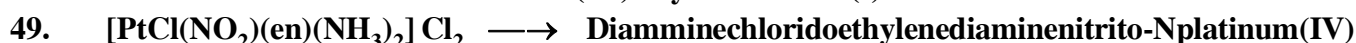
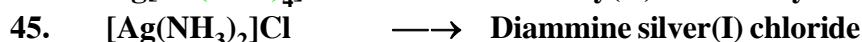
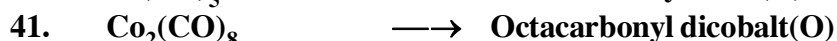
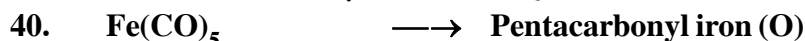
Stannous chloride

Trichlorostannite

\longrightarrow Bis(trichlorostannito) rhodate (I) di μ -chlorido bis (trichlorostannito) rhodate(I) ion

\longrightarrow Di- μ -chloridotetrakis(trichlorostannito) dirhodate(I) ion

\longrightarrow Di- μ -chloridobis{bis(trichlorostannito) rhodate(I)} ion

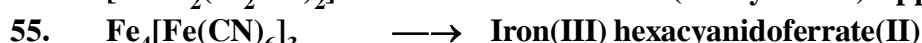


($Me_2O \rightarrow$ dimethyl ether/ Me_2S Dimethyl thioether)

\longrightarrow Dibromidoplatinum(II) bis μ (dimethyl thioether) dibromidoplatinum(II)

\longrightarrow Bis[μ (dimethylthioether)dibromidoplatinum](II)

\longrightarrow bis μ -dimethyl thioether tetrabromidodiplatinum(II)



\longrightarrow Potassium trichlorido(η^2 -ethene)platinate(II)



\longrightarrow Sodium dithiosulphatoargentate(I)

