Summary:
This work is concerned with synthesis of two ligands from Schiff bases and its complexes with (Co, Ni, Cu) (II). First ligand: Hexan-2,5-di(2-hydroxy phenyl imine) (HHI). Second ligand: Phenyl-1,2-di(2-hydroxy phenyl imine) (PHI). The identifying of optimum conditions, mole ratio (ligand : metal) by using Job and mole ratio methods, all compounds with its complexes were characterized by using melting points and spectrophotometric methods (UV-visible), (FTIR) spectra, from all the results observations we proposed geometrical structures for prepared complexes by dependent the same studies.