

**Guest Lecture
on
Crystal Field Theory
(28-08-2018)**

PG department of Chemistry Organised a Guest Lecture on Crystal field theory by Dr. Y. Lakshmana Kumar on 28th July 2018 to 1st and 2nd M.Sc Chemistry students. In his lecture he discussed the relationships between ligand binding in a metal complex and the degeneracy of the d orbitals and between the geometry of a metal complex and the splitting of the d orbitals.

- Crystal Field splitting in Octahedral complexes
- Crystal Field Splitting in Tetrahedral complexes
- Crystal Field Splitting in Square Planar complexes
- Crystal field stabilisation Energy Calculation
- High-Spin Versus Low-Spin Octahedral Complexes
- Ligand substitution reactions

