

Booklist and Resources for CSIR UGC NET

SHILPA KHANDELWAL

AIR-2 UPSC COMBINED GEOSCIENTIST AND GEOLOGIST EXAM

AIR -41 CSIR NET

About Myself

B.Sc (H) Chemistry , Ramjas College , Delhi University

M.Sc from IIT(ISM) Dhanbad in 2017

Recently secured AIR 2 in Combined Geoscientist and Geologists Examination 2018

Qualified both Gate and Net Examination Rank 41

Summer projects in NCL Pune, JNCASR Bangalore, DBT Star College Project Scheme



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& doubt-clearing



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Booklist : Inorganic

- ▶ J.D. Lee – For Main Group Chemistry and Chemical Bonding
- ▶ Huheey – Organometallics and Bioinorganic Chemistry
- ▶ Coordination Chemistry- Puri Sharma and Kalia, Book written by Ajay Sir(Hindu College) , R.Sarkar
- ▶ R. Sarkar –For almost everything
- ▶ Organometallics – by Illias (IIT Delhi) available in library

- ▶ Huhyee

Booklist :Physical Chemistry

- ▶ Solid States- From NCERT, Puri Sharma , K.L. Kapoor(minimum 6 marks)
- ▶ Gaseous state-Atkins Formulas from Notes (2-4 marks)
- ▶ Electrochemistry and Ionic Equilibrium- Mostly Puri sharma and K.I. Kapoor for Numericals (minimum 6 marks)
- ▶ Chemical Kinetics – Puri Sharma and K.L. Kapoor (solve lot of numerical problem)
- ▶ Quantum chemistry-Operators, Huckel theory, Variation theorem, perturbation theory from Mcquerrie and Levine
- ▶ Thermodynamics- Atkins and Puri Sharma
- ▶ Spectroscopy- Banwell, K.L. Kapoor (minimum 6 marks)
- ▶ Group Theory- K Veera Reddy (symmetry and spectroscopy of molecules)

Booklist : Organic Chemistry

- ▶ Spectroscopy- Minimum 8 marks – Book (Pavia or Kalki any one and questions from Silverstein
- ▶ Stereochemistry (4 marks) – Nasipuri
- ▶ Pericyclic and a photochemistry (minimum 4 marks) – Jagdamba Singh , Clayden for Pericyclic
- ▶ Amino acids (2-4 marks)- Any book. Know their structures and nature
- ▶ Reagents – Carruthers
- ▶ Name reactions and reagents– S.N. Sanyal
- ▶ Reaction mechanism – Peter Sykes
- ▶ **CLAYDEN**