

SOME IMPORTANT BOOKS FOR CSIR-NET (JRF)/GATE CHEMISTRY

PHYSICAL CHEMISTRY:

1. Physical Chemistry – **Thomas Engel & Philip Reid**
2. Principles of Physical Chemistry – **Puri, Sharma & Pathania**
3. Quantum Chemistry through Problems and Solutions – **R.K. Prasad**
4. Chemical Kinetics and Catalysis – **Richard Mishel**
5. Electrochemistry – **Philip H. Rieger**
6. Surface Chemistry – **A Goel**

MOLECULAR SPECTROSCOPY:

1. Fundamentals of Molecular Spectroscopy – **Colin N. Banwell**
2. Physical Methods – **Russel S. Drago**
3. Spectrometric Identification of Organic Compounds – **R. M. Silverstein, F. X. Webster**
4. Organic Spectroscopy – **William Kemp**

GROUP THEORY:

1. Chemical Applications of Group Theory – **F. Albert Cotton**
2. Symmetry and Group Theory – **Rama Shanker, Suresh Ameta**

ORGANIC CHEMISTRY:

1. Stereochemistry Conformation and Mechanism -**P.S. Kalsi**
2. Stereochemistry of Organic Compounds - **E. L. Eliel**
3. Organic Chemistry -**Clayden, Greeves, Warren and Wothers**
4. Modern Methods of Organic Synthesis – **William Carruthers, Iain Coldham**
5. Organic Synthesis the disconnection approach – **Stuart Warren**
6. Pericyclic Reactions – **R T Morrison, R N Boyd**
7. Organic Photochemistry – **James H. Coxon, B. Halton**

INORGANIC CHEMISTRY:

1. Inorganic Chemistry – **James E. Huheey, E.A. Keiter, R. L. Keiter, O. K. Medhi**
2. Inorganic Chemistry - **Meissler & Tarr**
3. Concise Inorganic Chemistry - **J. D. Lee**
4. Mechanism of Inorganic Reactions – **Fred Basolo, Ralph G. Pearson**
5. Inorganic Chemistry – **Shriver & Atkins**
6. Concept and Models of Inorganic Chemistry – **Bodie Douglas, Darl McDaniel, John Alexander**
7. Inorganic Chemistry – **Catherine E. Housecraft, Alan G. Sharpe**

ANALYTICAL CHEMISTRY:

1. Instrumental Method – **Skoog, Holler & Crouch**