

**DEPARTMENT OF CHEMISTRY
WOMEN'S COLLEGE, AGARTALA
GOVT. OF TRIPURA**

RECOMMENDED BOOKS

ORGANIC CHEMISTRY:

1. Organic Chemistry - I.L. Finar, Vol. I, 6th Edn. ELBS
2. Advanced Organic Chemistry - J. March
3. A guide to Organic Reaction Mechanism - P. Sykes, Orient Longman.
4. Organic Chemistry - R.T. Morrison & R.N. Boyd, Prentice – Hall.
5. Fundamentals of Organic Chemistry – Solomon
6. Organic Chemistry - Wade (Jr)
7. Stereochemistry of Carbon Compounds - E. Eliel
8. Stereochemistry of Carbon Compounds - D. Nasipuri, John Wiley
9. Organic Spectroscopy - Y.R. Sharma
10. Organic Spectroscopy - W. Kemp
11. Organic Spectroscopy - P.S. Kalshi
12. Organic Reaction Mechanism - P.S. Kalsi
13. Organic Reaction mechanism - R.K. Bansal
14. Advanced Organic Organicchemistry - N.K. Visnoi
15. Advanced Practical Chemistry - R. Mukhopadhaya& P. Chatterjee
16. Advanced Organic Chemistry – Miller
17. Organic Chemistry – Loudon
18. Organic Chemistry - Subrata Sengupta
19. Basic Stereochemistry of Organic Molecules - Subrata Sengupta

INORGANIC CHEMISTRY:

1. J.D. Lee, **Concise Inorganic Chemistry**, 5th Edition (ELBS)
2. James E. Huheey, Ellen A. Keiter, Richard L. Keiter, **Inorganic Chemistry: Principles of Structure and Reactivity**, 4th Edition (Pearson Education)
3. Asim K Das, **Fundamental Concepts of Inorganic Chemistry**, Vol.1-4 (CBS Publishers & Distributors)
4. S. K. Basu , R. D. Madan , Satya Prakash and G. D. Tuli, **Advanced Inorganic Chemistry** – Vol. 1-2 (S Chand & Co Ltd)
5. Malik, Tuli, Madan, **Selected Topics in Inorganic Chemistry**, Revised Edition, (S Chand & Co Ltd)
6. S P Banerjee, **Advanced Inorganic Chemistry**, 2nd Edition (Books & Allied (P) Ltd)

7. R L Dutta, **Inorganic Chemistry**, Vol-1 & 2 (New Book Stall)
8. Puri, Sharma and Kalia, **Principles of Inorganic Chemistry** (Vishal Publishing Co.)
9. H. J. Arnikar and N. S. Rajurkar, **Nuclear Chemistry** (New Age Int. Publishers)
10. B. R. Puri, L.R. Sharma, Kalia, Kaushal, **S & P-block elements, Transition Metals & Co-Ordination Chemistry** (Vishal Publishing Co.)
11. **Vogel's Qualitative Inorganic Analysis**, Revised by G. Shelva., 7th Edition (Prentice Hall)
12. Ghoshal, Mahapatra, Nad, **An advanced course in practical Chemistry** (NCBA)
13. S C Das, **Advanced Practical Chemistry**, 3rd Edition (Kolkata S.C, Das)
14. Puri, Sharma Kalia and Kaushal, **A Text Book of Inorganic Chemistry** (Vishal Publishing Co.)
15. Shriver and Atkins, **Inorganic Chemistry**, 5th Edition, (Oxford University Press)
16. A. Sharpe, **Inorganic Chemistry**, 3rd Edition (Pearson Education)
17. R L Dutta and A Shyamal, **Elements of Magneto chemistry**, 2nd Edition (Affiliated East-West Press)
18. G N Mukherjee, **Advanced Experiments in Inorganic Chemistry** (U. N. Dhur & Sons Pvt. Ltd)
19. Hibbert, D. B. & Gooding, J. J, **Data analysis for chemistry** (Oxford University Press, 2006)
20. Mendham, J., A. I. **Vogel's Quantitative Chemical Analysis**, 6th Edition (Pearson)
21. Basolo, F, and Pearson, R.C. **Mechanisms of Inorganic Chemistry** (John Wiley & Sons, NY)
22. Indrajit Kumar, **Organometallic Compounds** (Pragati Prakashan)
23. F.A. Cotton, G. Wilkinson and Paul L Gaus, **Basic Inorganic Chemistry**, 3rd Edition (Wiley India Pvt. Ltd)
24. B C Ray and S N Das, **General and Inorganic Chemistry**, 1st Edition (NCBA)
25. F. Albert Cotton, Geoffrey Wilkinson, Carlos A. Murillo, Manfred Bochmann, **Advanced Inorganic Chemistry**, An Indian Adaptation, (Wiley India Pvt. Ltd)
26. Powell, P, **Principles of Organometallic Chemistry**, (Chapman and Hall, 1988)
27. Asim K Das, **Bioinorganic Chemistry** (New Central)
28. G. N. Mukherjee and A. Das, **Elements of Bio-Inorganic Chemistry** (U. N. Dhur & Sons Pvt. Ltd)
29. ROSETTE M, ROAT-MALONE, **Bioinorganic Chemistry: A short course**, 3rd Edition (Wiley India Pvt. Ltd)

PHYSICAL CHEMISTRY:

1. Physical Chemistry - P.C. Rakshit
2. Physical Chemistry - P.W. Atkins
3. Physical Chemistry - G. W. Castellan
4. Physical Chemistry - S. Glastone

5. Physical Chemistry – Marron & Pruton/ Marron & Lando
6. Molecular Spectroscopy – Barrow
7. Molecular Spectroscopy – Banwell
8. Introductory Quantum Chemistry – A.K. Chandra, TATA McGraw Hill.
9. Quantum Chemistry – D.A. Mcquarrie, Viva Books, Pvt. Ltd.
10. Atomic Structure and Chemical Bonds – Manas Chandra
11. Programming in Basic –S. Gottfried
12. Programming in Basic –Balaguruswamy.
13. Statistical Methods – N.G. Das
14. J.O'M, Bockris and A.K.N. Reddy, Modern Electrochemistry, Vol.1&2 (1998). Plenum Press, New York.
15. P.W. Atkins and R.S.Friedman, Molecular Quantum Mechanics, 3rd Ed.(1997) Oxford University (in Press.)
16. K.J.Laidler, Chemical Kinetics, 3rd Ed.(1967), Harper and Row Publishers, New York
17. H.Eyring, S.H. Lin and S.M.Lin, Chemical Kinetics, (1999)Jhon Willey, New York

Industrial Chemistry:

1. Industrial Chemistry – B. K. Sharma
2. Industrial Chemistry – R. K. Das (Vol I & Vol II)
3. Comprehensive Industrial Chemistry – Prakash G. More

Green Chemistry:

1. Green Chemistry – Satya Prakash Shukla
2. Monograph on Green Chemistry Laboratory Experiments - Green Chemistry Task Force Committee, DST
