

**REFERENCE BOOKS (LATEST EDITION)****B.Pharm first year****Pharmaceutical Inorganic Chemistry (B.Ph. 101T & B.Ph.102P)**

1. Pharmacopoeia of India, Ministry of Health, Govt. of India, New Delhi.
2. Jeffery G.H., Bassett J., Mendham J., Denney R.C., Vogel's Text Book of Quantitative Chemical Analysis, E.L.B.S. London.
3. Beckett A.H. and Stenlake J.B., Practical Pharmaceutical Chemistry, Part-I, The Athlone Press University of London.
4. Connors K.A., A Text Book of Pharmaceutical Analysis, John Wiley & Sons.
5. Chatten L.G., Pharmaceutical Chemistry, Vol. I & II, Marshal Dekker, New York.
6. Block J., Roche E.B., Sonie T.O., Wilson C.O., Inorganic Pharmaceutical chemistry, Lea & Febiger, Philadelphia, PA.
7. Atherden L.M, Bentley and Driver's Text Book of Pharmaceutical Chemistry, Oxford University Press, London.
8. Jeffery G.H., Bassett J., Mendham J., Denney R.C., Vogel's text book of quantitative chemical analysis, E.L.B.S. London.
9. Brey W. S., Physical Chemistry and its Biological Applications, Academic press.
10. Disher L. A., Modern Inorganic Pharmaceutical Chemistry.
11. Suchla G., Vogel's Textbook of Micro and Semimicro Qualitative Inorganic Analysis, Orient Longman, Hyderabad.

**Pharmaceutical Biochemistry and Clinical Pathology (B.Ph. 103T & B.Ph.104P)**

1. Lehninger A. L., Principles of Biochemistry, CBS Publishers and Distributors, New Delhi.
2. Stryer L., Biochemistry, W H Freeman and Company, San Francisco.
3. Rama Rao. A.S.S.V; A Text book of Biochemistry; L. K. & S. Publishers, Visakhapatnam.
4. Conn E. E. and Stumpf P. K., Outlines of Biochemistry, John Wiley and Sons, New York.
5. Harrow B. and Mazur A., Textbook of Biochemistry, W. B. Saunders Co., Philadelphia.
6. Jayraman J., Laboratory Manual in Biochemistry, Wiley Eastern Limited, New Delhi.
7. Martin D. W., Mays P. A. and Redwell V. M., Harpers Biochemistry, Lange Medicak Publications.
8. Mussay R. K., Granner D. K., Mayous P. A. and Rodwell Harpers Biochemistry, Prentice-Hall International, Inc.
9. Plumer D. T., An Introduction to Practical Biochemistry, Tata MacGraw Hill, New Delhi.
10. Deb A.C., Fundamentals of Biochemistry, New Central Book Agency Pvt. Ltd.
11. Varley H. Practical Clinical Biochemistry, CBS Publishers & Distributors.

**Dispensing Pharmacy (B.Ph. 105T & B.Ph.106P)**

1. Carter S. J., Cooper Gunn's Dispensing for Pharmaceutical Students, CBS Publishers, Delhi.
2. Remington's The Science and Practice of Pharmacy, Mack Publishing Co. Easton, Pernsybrania.
3. The British Pharmaceutical Codex, The Pharmaceutical Press, London, Convention, Mack Pub Co., Easton PA.
4. Hoover J.E., Dispensing of Medication, Mack Publishing Co., Easton, Pernsybrania.
5. Martin E. W., Dispensing of Medication, Mack Publishing Co., Easton PA,

**Pharmaceutical Technology (B.Ph. 107T & B.Ph.108P)**

1. Ansel H. C, Introduction to Pharmaceutical Dosage Forms, K M Varghese and, Bombay.
2. Aulton M. E., Pharmaceutics –The Science DosageForm Design, ELBS/Chuchill Livingstone.

**Pharmaceutical Biology and introductory Pharmacognosy (B.Ph. 109T & B.Ph.110P)**

1. Tyagi Y. D., Text Book of Botany, Universal Publication.
2. Dutta A. C., Text Book of Botany, Oxford University Press, Calcuttal-700720.
3. Khetrapal & Kotpal, Invertebrates, Rastoghi Publication, Merrut.
4. Youngken H. S., Pharmaceutical Botany, The Balkishan Company, Toranto.
5. Kokate C. K., Practical Pharmacognosy, Vallabh Prakashan, Delhi.
6. Kokate C. K., Purohit A. P. and Gokhale S. B., Pharmacognosy , Niralı Prakashan, Pune.
7. Tylor V. E., Brady L. R. and Robbers J. E., Pharmacognosy 1981, Learned Febiger, Philadelphpe, U. S. A.
8. Trease G. E. Pharmacognosy and Evans W. C., Bailliers Tindall London.
9. Wallis T. E. Pharmacognosy, J. A. Churchill.

**Human Anatomy, Physiology and Health Education (B.Ph. 111T & B.Ph.112P)**

1. Derashari and Gandhi; Human Anatomy and physiology; B.S. Shah Prakashan.
2. C. Chatterjee; Human Physiology; Medical Allied Agency, Calcutta.
3. Goyal, Bhatt and Kumar; Basics of Health Education and Community Pharmacy; B.S. Shah Prakashan.
4. Warwick & Williman Longman; Gray's Anatomy.
5. Sahana's Text Book of Anatomy.
6. Willium and Wilkins, Baltimore Best and Taylor's Physiological Basis of Medical Practice.

7. Difore Lea SH and Febiger, Atlas of Normal Histology, Philadelphia.
8. Ganong WF, Review of Medical Physiology, Prentice Hall International.
9. Chourasia B.D.; Human Anatomy, Regional and Applied. Part I, II & III; CBS Publishers and Distributor, New Delhi.
10. Gyuton A.C., Half J.E.; Text Book of Medical Physiology; WB Sannders Company.
11. Subhash Shaliya; Human Physiology; CBS Publishers and Distributors.
12. Keel C.A., Neil E and Joels N.; Samson Wright's Applied Physiology; Oxford University Press.
13. MC Naught A.B. and Callander R, Churchill Livingstone; Illustrated Physiology.
14. N.S. Parmar; Health Education and Community Pharmacy; CBS Publishers.
15. Ranade V.G.; Text Book of Practical Physiology; Pune Vidyarthi Griha Prakashan, Pune.
16. Tortora G.J. and Anagnodokos N.P.; Principles for Anatomy and Physiology; Harper and Row Publishers N.Y.
17. Vander A.J. Shermati J.H. and Luciano D.S.; Human Physiology; Tata Mcgraw Hill Publishing Co. New Delhi.
18. R.K. Goyal; A Text Book of Experimental physiology; B.S. Shah Prakashan.

**Pharmaceutical Jurisprudence (B.Ph. 113T)**

1. Original laws published by Govt. of India.
2. Mithal B. M., Text book of forensic pharmacy, Vallabh Prakashan.
3. Hussain, Laws of Drugs in India.
4. Jain N. K., Text book of Forensic Pharmacy, Vallabh Prakashan, New Delhi.

**Pharmacy Practice (B.Ph. 114T)**

1. Remington Pharmaceutical Science.
2. Merchant S. H., Text Book of Retail Pharmacy Management.

**B.Pharm second year****Pharmaceutical Organic Chemistry (B.Ph. 201T & B.Ph. 202P)**

1. Morrison R. T. & Boyd R. N., Organic Chemistry, Prentice Hall of India Pvt. Ltd., New Delhi.
2. Finar I. L., Organic Chemistry, Vol-1, E.L.B.S. London.
3. Gupta R. D., A Text book of Analytical Chemistry
4. Mann F. G. & Saunders B.C., Practical Organic Chemistry, Longmans, Green and Co. Ltd., London.
5. Furniss B. S., et.al, Vogel's Textbook of "Practical Organic Chemistry, E.L.B.S., London.
6. Wingrove A. S. & Caret R. L.; Organic Chemistry, Harper & Row Publishers, New York.
7. Pine, Handrickon et.al, Organic Chemistry, McGrall Hill Book Co., N.Y.
8. Eliel L., Stereochemistry of Carbon Compounds, Tata McGrall Hill, Bombay.
9. Singh H. K. and Kapoor V. K., Basic and Pharmaceutical Practical Chemistry, Vallabh Prakashan, Delhi.
10. Finar I. L., Organic Chemistry, Vol. II., The Fundamentals and Principles, ELBS/Longman.
11. Textbook of Practical Organic Chemistry, The ELBS/Longman, Longman, London.
12. Jurs P. C. Computer Software Application in Chemistry, John Wiley & Sons, New York.
13. Roberts J. D. and Caserio M. C., Basic Principles of Organic Chemistry, W. A. Benjamin, Inc., New York.
14. Sykes P. A. Guidebook to Mechanisum in Organic Chemistry, Orient Longman, New Delhi.

**Chemistry of Natural Drugs (B.Ph. 203T & B.Ph. 204P)**

1. Morrison R.T. & Boyd R.N., Organic Chemistry, Prentice Hall India Pvt. Ltd., New Delhi.
2. Finar I.L., Organic Chemistry, Vol –II, E.L.B.S., London.
3. Mann F. G. & Saunders B. C., Practical Organic Chemistry, Longmans, Green and Co. Ltd., London.
4. Furniss B. S., et. al, Vogel's Textbook of "Practical Organic Chemistry, E.L.B.S., London.
5. Wingrove A.S. & Caret R.L.; Organic Chemistry, Harper & Row Publishers, New York.
6. Acheson R.N., An Introduction to the chemistry of Heterocyclic compounds, Interscience Publications, New York.
7. Gutsch, Chemistry of Carbonyl Compounds, Prentice Hall India Pvt. Ltd., New Delhi.
8. Remington Pharmaceutical Sciences.
9. Acheson R. N., An Introduction to the chemistry of Heterocyclic Compounds, Interscience Publishers, New York.
10. Finar I. L., Organic Chemistry, Vol. II., The Fundamentals and Principles, ELBS/Longman.
11. Textbook of Practical Organic Chemistry, The ELBS/Longman, Longman, London.
12. Jurs P. C. Computer Software Application in Chemistry, John Wiley & Sons, New York.
13. Roberts J. D. and Caserio M. C., Basic Principles of Organic Chemistry, W. A. Benjamin, Inc., New York.
14. Sykes P. A. Guidebook to Mechanisum in Organic Chemistry, Orient Longman, New Delhi.

**Physical Pharmacy (B.Ph. 205T & B.Ph. 206)**

1. Alfred Martin, Physical Pharmacy, B.I. Waverly Pvt. Ltd., New Delhi
2. Shotton E and Ridgaway K, Physical Pharmaceuticals Oxford University Press, London.
3. Carter S. J., Cooper and Gunn's Tutorial Pharmacy, CBS Publishers, Delhi.
4. CVS Subramanyam et al, Physical Pharmaceutics, Vallabh Prakashan.
5. Gennaro A.R., Remington: The Science and Practice of Pharmacy, Lippincot Williams and Wilkins
6. Allen L.V., Popovich W.G. & Ansel H.C., Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems, Lippincott Williams and Wilkins.
7. Cheng-ju-Kim, Advanced Pharmaceutics Physicochemical Principles, CRC Press
8. Yalkowsky S.H., Techniques of Solubilization of Drugs, Marcel Dekker
9. Solubility and Related Properties, Marcel Dekker

**Pharmaceutical Engineering, Unit Operations and Engineering Drawing (B.Ph. 207T & B.Ph. 208P)**

1. Badger W.L. and Banchemo J.T.; Introduction to chemical engineering, McGraw Hill International Book Co., London.
2. Parry R. H. & Chilton C. H., Chemical Engineers Handbook, McGraw Kogakusha Ltd.
3. Lachmen L., Lieberman H. A., The Theory and Practice of Industrial Pharmacy, Lee & Febiger, Philadelphia.
4. Carter S.J., Cooper and Gunn's Tutorial Pharmacy, CBS Publishers, Delhi
5. Brown C.G., Unit Operations (Indian Ed.) Asia Publishing House, Bombay.
6. McCabe W.L., Smith J.L., Unit Operations of Chemical Engineering, McGraw Hill International Book Co., London.
7. Bhatt, N.D., Machine Drawing.

**Pharmacology – I and Pathophysiology (B.Ph. 209T & B.Ph. 210P)**

1. Goyal R. K., Derasari & Gandhi's Elements of Pharmacology, B. S. Shah Prakashan.
2. Satoskar & Bhandarkar, Pharmacology & Pharmacotherapeutics I & II, Popular Prakashan, Bombay.
3. Applied Therapeutics: The clinical use of Drugs, applied Therapeutics, Inc.
4. Crossland J. and Thomsen J.H.; Essential of Pharmacology; Harper & Raw Publishers NY.
5. Barar F. S. K., Essentials of Therapeutics; Interprint New Delhi.
6. Craig C. R. & Stizel R. R., Modern Pharmacology, Little Brown and Company.
7. Davidson's Principles and Practice of Medicine, ELBS/Churchill Livingstone.

8. J.G.Hardman, L.E., Limbird, P.B.Molinoss, R.W.Rudden & A. G. Gil, Goodman & Gilman's, The Pharmacological basis of Therapeutics, Pergamon Press.
9. Tripathi, K.D., Essentials of Medical Pharmacology, Jaypee Brothers, New Delhi
10. Herindal E. T. & Hirschman J.L., Willams and Wilkins, Clinical Pharmacy and Therapeutics.
11. Katzung B. G., Basic and Clinical Pharmacology, Prentice Hall International.
12. Lawrence D.R. and Bennet P. N., Clinical Pharmacology; Churchill Livingstone.
13. Myeek M. J., Gertner S. B. & Perper M. M., Pharmacology Lippincott's Illustrated Reviews, Lippincott Company, Philadelphia.
14. Panl L., Chapman and Hall, Principles of Pharmacology.
15. Dipiro, J.L.Elsevier, A Pathophysiological Approach: Pharmacotherapy.
16. Rang M.P., Dale M.M., Ritter J.M., Pharmacology, Churchill Livingstone.
17. Robinson S. L. and Kumar V.; Basic Pathology, W. B. Saunders Co.
18. Theoharides T. C., Pharmacology; Little Brown & Co.
19. B. C. Bose, Pharmacology
20. James Crossland, Levi's Pharmacology
21. Ghosh, Pharmacology materia medica and therapeutics.
22. Sharma V.N., Essentials of Pharmacology.

**Computer Applications (B.Ph. 211T & B.Ph. 212P)**

1. Office 2000 Complete, BPB Publication
2. Sukhvir Singh :Fundamentals of computers , Khanna Publications .
3. Office 2000:No Experiments Required: BPB Publications .
4. G B Davis ,Complete Data Process ,Mc Graw Hill Publication.
5. Comdex Computer Course Kit ,BPB Publication.
6. Pradeep S.K., Computer Fundamentals, BPB, Delhi
7. Diana R., Microsoft Access, BPB, Delhi
8. Rajaraman R., Fundamentals of Computer, PHI.
9. Mukherjee, Fundamentals of Computers, PHI
10. Jain S., Adobe Pagemake Training Guide, BPB, Delhi
11. Wray P., BPB Computer Course, BPB, Delhi
12. Check M., Exploring Office XP, BPB, Delhi
13. Courter G., Mastering Excel 2002, BPB, Delhi
14. Gralla P., How the Internet Works, techmedia
15. Sybex, internet Complete, BPB, Delhi
16. Simplified Internet, BPB, Delhi
17. Crumblish C., The internet: No experience required, BPB, Delhi
18. Johnson S., Learning guide to the internet, BPB, Delhi
19. Mukhi V., Surf's UP, BPB, Delhi
20. Falk B., Internet basic reference A to Z, BPB, Delhi

**Advanced Mathematics and Biostatistics (B.Ph. 213T & B.Ph. 214P)**

1. Phillips David S., 'Basics Statistics for health science Student's, Freeman and company, San Francisco.
2. Ray & Sharma, 'Mathematical Statistics'.
3. Bansal, Agrawal and Bhargava, 'Differential Integral Calculus- I', Jaipur Publishing House.
4. Bansal, Agrawal and Bhargava, 'Integral Calculus', Jaipur Publishing House.
5. Bansal and Dhama, 'Differential equations – I', Jaipur Publishing House.
6. Gupta and Goyal, 'Laplace Transformation', Jaipur Publishing House.
7. Grewal, T. S., Introduction to Accountancy,
8. Jain S. P. and Narang N. L., Cost Accounting ,
9. Verma T. R., Auditing.
10. Maheshwari S. N., Management Accounting.
11. Saxena R. G., Principles and practice of auditing.
12. Pandey I. M., Financial management, Vikas Publishers.
13. Khan and Jain, Management Accounting, Tata Mc Graw Hill.
14. Matrices by G.C. Sharma.

**B.Pharm third year****Pharmaceutical Analysis (B.Ph. 301T & B.Ph. 302P)**

1. Pharmacopoeia of India, Govt. of India, Ministry of Health, New Delhi.
2. Jeffery G.H., Bassett J., Mendham J., Denney R.C., Vogel's Text Book of Quantitative Chemical Analysis, E.L.B.S. London.
3. Beckett A.H. & Stenlake J.B., Practical Pharmaceutical Chemistry, Part-I & II, The Athlone Press University of London.
4. Connors K.A., A Text Book of Pharmaceutical Analysis, John Wiley & Sons, New York.
5. Chatter L.G., Pharmaceutical Chemistry, Vol. I & II, Marshal Dekker, New York.
6. Atherden L.M, Bentley and Driver's Text Book of Pharmaceutical Chemistry, Oxford University Press, London.
7. Kolthoff I. M. and Stenger V. A., Volumetric Analysis, Vol. II Titration Methods, Interscience Publishers, Inc., New York.
8. Kenevel A. M. and Digangi F. E., Jenkin's Quantitative Pharmaceutical Chemistry, Mc Graw Hill Book Co., New York.

**Medicinal Chemistry-I (B.Ph. 303T & B.Ph. 304P)**

1. Vogel's Textbook of Practical Organic Chemistry, ELBS.
2. Mann & Saunder's – Practical Organic Chemistry.
3. Wilson & Gisvold's, Testbook of Organic medicinal & Pharmaceutical chemistry; J. B. Lippincott Co.
4. W. O. Foye, Principles of medicinal chemistry.
5. M. E. Wolff, Burger's medicinal chemistry, John Wiley & Sons.
6. Remington's Pharmaceutical Sciences
7. Vogel's Textbook of Practical Organic Chemistry, ELBS.
8. Mann & Saunder's – Practical Organic Chemistry.

**Pharmaceutical Microbiology and Biotechnology (B.Ph. 305T & B.Ph. 306P)**

1. Peleczar M.J. Jr., Chan E.C.S., & Krieg N.R., Microbiology, Tata McGraw Hill, Publishing Co. Ltd., Delhi.
2. Frobisher M., Hindsall R.D., Crabtree K.T., & Goodheart C.R., Textbook of Microbiology.
3. Salle A. J., Fundamental Principles of bacteriology.
4. Hugo and Russel, Pharmaceutical Microbiology, Blackwell Scientific Publication, Oxford.
5. Rawlins E. A., Bentley's textbook of Pharmaceutics, ELBS Bacilliere Tindal.
6. Carter S. J., Cooper and Gunn's Tutorial Pharmacy, CBS Publishers, Delhi.
7. Remington's The Science and Practice of Pharmacy, Mack Publishing Co. Easton, Pemsybrania.
8. Vyas, Dixit, Pharmaceutical Biotechnology.
9. Jain S. K., Textbook of Biotechnology (Fundamentals of Cellular biology).
10. Casida, Industrial Microbiology.
11. Prescott and Dunn, Industrial Microbiology, McGraw Hill Book Co. Inc.
12. Standury P. F. & Whitaker A., Principles of Fermentation Technology, Pergamon Press, Oxford.
13. Ward O. P., Fermentation Technology, Principles, Processes and Products, Open University Press, Milton Keynes, UK.
14. Nagori B.P. & Issrani Roshan, Foundation in pharmaceutical biotechnology.

**Pharmaceutical Formulation (B.Ph. 307T & B.Ph. 308P)**

1. Lachmann L., Liberman H.A., & Kanig J.L., The Theory and Practice of Industrial Pharmacy, Lea & Febiger, Philadelphia.
2. Remington's The Science and Practice of Pharmacy, Mack Publishing Co. Easton, Pemsybrania.
3. Pharmacopoeia of India, Published by the Controller of Publications, Delhi (Latest edition)
4. Rawlins E. A., Bentley's Textbook of Pharmaceutics, ELBS Bacilliere Tindal.

**Hospital & Community Pharmacy (B.Ph. 309T)**

- 1 Turbo S. and King R.E.; Sterile Dosage Forms; Lea and Febiger, Philadelphia.
- 2 Sykes G., Disinfection and Sterilization, II ed.
- 3 Pharmacopoeia of India; published by Controller of Publications Delhi, All editions.
- 4 Hassan W.E.; Hospital Pharmacy; Lea and Febiger, Philadelphia.
- 5 Remington's; The Science and Practice of Pharmacy; Mack Publishing Co., Easton, Pemsybrania.
- 6 Allwodd M.C. and Fell J. T.; Text book of Hospital Pharmacy; Blackwell Scientific Publication, Oxford.
- 7 A Owunwone; Handbook of RadioPharmaceuticals; Narosa Publishing House, New Delhi.
- 8 Parmar, N.S., Health Education and Community Pharmacy, CBS Publishers and Distributors.
- 9 Merchant & Quadry, Hospital Pharmacy, B.S. Shah Prakashan, Ahmedabad.
- 10 Nand & Khar, Hospital Pharmacy, Birla Publication, New Delhi
- 11 Stephen M., Hospital Pharmacy, Pharmaceutical Press.

**Pharmacology II and Pathophysiology (B.Ph. 310T & B.Ph. 311P)**

- 1 Goyal R.K., Derasari & Gandhi's Elements of Pharmacology, B. S. Shah Prakashan.
- 2 Satoskar & Bhandarkar, Pharmacology & Pharmacotherapeutics I & II, Popular Prakashan, Bombay.

- 3 Applied Therapeutics: The clinical use of Drugs, applied Therapeutics, Inc.
- 4 Crossland J. and Thomsen J.H.; Essential of Pharmacology; Harper & Raw Publishers NY.
- 5 Barar F. S. K., Essentials of Therapeutics; Interprint New Delhi.
- 6 Craig C. R. & Stizel R. R., Modern Pharmacology, Little Brown and Company.
- 7 Davidson's Principles and Practice of Medicine, ELBS/Churchill Livingstone.
- 8 J.G.Hardman, L.E., Limbird, P.B.Molinoss, R.W.Rudden & A. G. Gil, Goodman & Gilmans, The Pharmacological basis of Therapeutics, Pergamon Press.
- 9 Herindal E. T. & Hirschman J.L., Willams and Wilkins, Clinical Pharmacy and Therapeutics.
- 10 Katzung B. G., Basic and Clinical Pharmacology, Prentice Hall International.
- 11 Lawrence D.R. and Bennet P. N., Clinical Pharmacology; Churchill Livingstone.
- 12 Myeek M. J., Gertner S. B. & Perper M. M., Pharmacology Lippincatt's Illustrated Reviews, Lippinocott Company, Philadelphia.
- 13 Paul L., Chapmom and Hall, Principles of Pharmacology.
- 14 Dipiro, J.L.Elseuier, A Pathophysiological Approach: Phermacotherpay.
- 15 Rang M.P., Dale M.M., Riter J.M.,Pharmacology, Churchill Liningstone.
- 16 Robbinson S. L. and Kumar V.; Basic Pathology, W. B. Saunders Co.
- 17 Theoharides T. C., Pharmacology; Little Brown & Co.
- 18 Turner; Screening of drugs.
- 19 B. C. Bose, Pharmacology
- 20 James crossland, Levi's Pharmacology
- 21 Ghosh, Pharmacology materia medical and therapeutics.
- 22 Goyal R. K., Bhat R. and Burande M. K., Text Book of Clinical Pharmacy, Shah Publication.
- 23 Goyal R. K., Text Book of Experimental Pharmacology, Shah Publication.
- 24 Ghosh M.N., Fundamentals of Experimental Pharmacology, Scientific Book Agency, Calcutta.
- 25 Kulkarni S. K., Hand Book of Experimental Pharmacology, Vallabh Prakashan, Delhi.
- 26 Sharma V.N., Essentials of Pharmacology.

**Pharmacognosy I (B.Ph. 312T & B.Ph. 313P)**

1. Trease G. E. and Evans W. C., Pharmacognosy, Bailliers Tindall, Eastbourne, U. K.
2. Tyler V. C., Brady L. R., and Robers J. E., Pharmacognosy, Lea and Febiger, Philadelphia.
3. Tyler V. E. Jr. and Schwarting A. E., Experimental Pharmacognosy, Burgess Pub. Co., Minneapolis, Minnesota.
4. Wallis T. E., Analytical Microscopy, J & A Churchill Limited, London.
5. Wallis T E., Text Book of Pharmacognosy, J & A Churchill Limited, London.
6. Welsch J. R., Fundamentals of Plant Genetics and Breeding, Wiley, New York.
7. Zafar R., Medicinal Plants of India, C.B.S. Publisher, New Delhi.

**B.Pharm final year****Instrumental Analysis (B.Ph. 401T & B.Ph. 202P)**

1. Atal C.K. and Kapur B.M., Cultivation and Utilization of Medicinal Plants, RRL, Jammu.
2. Barz W., Reinhard E. and Zenk M.H., Plant Tissue Culture and its Biotechnological Application, Springer, Berlin.
3. Brain K.R. and Turner T.D., The Practical Evaluation of Phytopharmaceuticals, Wright- Sciencetchnica, Bristol.
4. Clarke E.C.G., Isolation and Identification of Drugs, The Pharmaceutical Press, London.
5. Export Potential of Selected Medicinal Plants, prepared by Basic Chemicals, Pharmaceuticals and Cosmetic Export Promotion Council, Bombay and Other Reports.
6. Peach K., and Tracey M.V., Modern Methods of Plant Analysis, 1-4, Narosa Publishing House, New Delhi.
7. Ross M. S. E. and Brain K. R., An Introduction to Phytopharmacy, Pitman Medical, Kent.
8. Staba E. J., Plant Tissue Culture as a Source of Biomedicinals, CRC Press, Florida.
9. Stahl E., Thin Layer Chromatography – A Laboratory Hand Book, Springer-Verlag, Berlin.
10. Swan T., Chemical Plant Taxonomy, Academic Press, London.
11. Swan T., Comparative Phytochemistry, Academic Press, London.
12. The Wealth of India, Raw Materials (all volumes) Council of Scientific and Industrial Research, New Delhi.
13. Instrumental Methods of Analysis by Scoog and West.
14. Pharmaceutical Analysis – Modern Methods, Part A and B by Munson James. W.

**Medicinal Chemistry-II (B.Ph. 403T & B.Ph. 404P)**

1. Pharmacopoeia of India, Govt. of India, Ministry of Health, New Delhi.
2. Jeffery G.H., Bassett J., Mendham J., Denney R.C., Vogel's Text Book of quantitative chemical analysis, E.L.B.S. London.
3. Beckett A.H. & Stenlake J.B., Practical pharmaceutical Chemistry, Part-II, The Athlone Press University of London.
4. Connors K.A., A text book of Pharmaceutical Analysis, John Wiley & Sons, New York.
5. Chatter L.G., Pharmaceutical Chemistry, Vol. I & II, Marshall Dekker, New York.
6. Atherden L.M., Bentley and Driver's Text Book of Pharmaceutical Chemistry, Oxford University Press, London
7. Willard, Instrumental analysis.
8. Ewing, Method of instrumental analysis.
9. Sharma B. K., Methods of Instrumental Analysis.
10. Chatwal and Anand, Instrumental methods of analysis.
11. D. C. Garatt, The quantitative analysis of drugs, Chapman and Hill Ltd., London.
12. Skoog, Instrumental Analysis.
13. Kolthoff I. M. and Stenger V. A., Volumetric Analysis, Vol II Titration Methods, Interscience Publishers, Inc., New York.
14. Kenevel A. M. and Digangi F. E., Jenkin's Quantitative Pharmaceutical Chemistry, Mc Graw Hill Book Co., New York.

**Dosage Form Design and Cosmeticology (B.Ph. 405T & B.Ph. 406P)**

1. Wilson & Gisvold's Textbook of Organic Medicinal & Pharmaceutical chemistry, J.B.Lippincott Co.
2. Foye W.O., Principles of Medicinal chemistry.
3. Wolff M.E., Burger's medicinal chemistry, John Wiley & Sons.
4. Remington's Pharmaceutical sciences.
5. Vogel's Textbook of practical organic chemistry, ELBS.
6. Pharmacopoeia of India
7. British Pharmacopoeia
8. United States Pharmacopoeia
9. Mann & Saunders – Practical organic chemistry.
10. Atherden L. M., Bentley and Driver's Text book of Pharmaceutical Chemistry, Oxford University Press, London.
11. Chatten L. G. A Textbook of Pharmaceutical Chemistry, Vol I and II, Marcel Dekker, New York.
12. Exploring QSAR Vol; I Fundamentals and Applications in Chemistry and Biology by C Hansh and A Leo Vol. II: Hydrophobic, Electronic and Steric constants by C. Hansh, A Leo and D. Hockman ACS Book Catalog.
13. Hansh C., Comprehensive Medicinal Chemistry, Vol. IV, Quantitative Drug Design, Pergamon Press, Oxford.
14. Landu B. N. Mandel H. G. and way E. L., Fundamentals of Drugs Metabolism and Disposition, William and Welkind Co. 428 E., Preston Street, Baltimore.
15. Martine Y. C., Quantitative Drug Design – A Critical Introduction (Medicinal Research Monograph, Vol. 8) Marcel Dekkers, inc. New York.
16. Nogrady T., Medicinal Chemistry – A Biochemical Approach Oxford University Press, New York, Oxford.
17. Pop and Perruns, Computer Aided Drug Design, Academic Press, NY.
18. Reynolds J. E. F., Martindale, The Extra Pharmacopoeia, The Pharmaceutical Press, London
19. Jellinek J. S., Formulation and Function of Cosmetics, John Wiley and sons, NY.
20. Mithal, Saha Hand book of cosmetics.

**Biopharmaceutics and Pharmacokinetics (B.Ph. 407T & B.Ph. 408P)**

1. Sharma P.P., How to Practice GMP, Vandana Publications, Delhi.
2. Aulton M.E., Pharmaceutics - The Science of Dosage Form Design, ELBS/ Churchill Livingstone.
3. Banker G.S. and Rhode C.T., Modern Pharmaceutics, Marcel Dekker Inc., NY.
4. Remington's The Science and Practice of Pharmacy, Mack Publishing Co. Easton, Pennsylvania.
5. Juliano R.L., Drug Delivery System, Oxford University Press, Oxford.
6. Lachman L, Lieberman HA and Kanig JL, The Theory and Practice of Industrial Pharmacy, Lee & Febiger, Philadelphia.
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