



A Comprehensive Textbook of Pharmaceutics GENERAL PHARMACY (Theory)



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ABOUT

The book "**General Pharmacy (Theory)**" has been developed in accordance with the **New Education Policy (NEP 2020)** to provide a strong foundation for pharmacy students in their early years of study. It introduces the essentials of the pharmacy profession, dosage forms, pharmaceutical calculations, and the evolving role of pharmacists in healthcare systems. By blending **conceptual understanding with skill-based learning**, this book prepares students for advanced courses in pharmaceutical technology and practice.

The content is structured across **five comprehensive units** that progress logically from the **history and scope of pharmacy in India** to the **scientific and practical aspects of pharmaceutical dosage forms**. Students begin by learning about the **development of pharmacy as a profession**, the importance of **pharmacopoeias and official standards**, and the ethical responsibilities of pharmacists. This foundation is then expanded into **practical areas** such as prescription handling, pharmaceutical calculations, and the preparation of various solid, liquid, semisolid, and suppository dosage forms.

The book emphasizes **competency-based learning outcomes**, as envisioned in NEP 2020, by integrating knowledge with practical application. Students will develop the ability to:

- Understand the **historical evolution and scope** of pharmacy as a profession.
- Apply **pharmaceutical calculations** in formulation and compounding.
- Recognize the **role of APIs and excipients** in dosage form design.
- Gain **practical exposure** to the preparation and evaluation of dosage forms.
- Strengthen **communication skills** for patient counselling and inter-professional collaboration.
- Develop a sense of **professional ethics, responsibility, and accountability** as healthcare providers.

This book aligns with NEP 2020's vision of **multidisciplinary and holistic education**, equipping pharmacy graduates with the **knowledge, skills, values, and attitudes** required for effective participation in healthcare delivery. It aspires to nurture **socially accountable pharmacists** who can adapt to future challenges in the pharmaceutical sciences, clinical practice, and healthcare technology.

About the Authors :



Dr. Ankur Srivastava has completed his B. Pharm from RRSCOP Amethi U.P and M. Pharm (Pharmaceutics) from RITM Lucknow U.P. He has done PhD in 2022 from AKTU, Lucknow. He has over 13 years of experience in Academics, Research and Administration in various Pharmacy Institutions. Presently Dr. Ankur is working as HOD in department of Pharmaceutics at Institute of Pharmacy, Dr Rammanohar Lohiya Avadh University, Ayodhya since October 2021. He has published more than 25 national and international papers in reputed journals (SCI/Scopus). He has filled 15 patents till date and out of which 12 Patents are Granted. He has Authored 7 books, 13 book chapters, and delivered several lectures in various conferences and seminars. He is involved in medical device development. He has around 12 Years of Research and Teaching Experience. He has guided various students for their M. Pharm and Ph.D. research scholar. He is Life time Member of Indian Pharmacy Graduate Association, (UP), and member of various organizing committee for national seminars. His primary research interests are in the field of Nanotechnology and Drug Delivery. Specifically, he is interested in nanosuspension, nanocapsules and solid dispersion area.



Dr. Deepti Dwivedi holds M. Pharm and PhD from Amity University, Lucknow. She has over 08 year of experience in Academics, Research and Administration in various Pharmacy Institutions. Presently she is working as Assistant Professor in department of Pharmaceutics at Institute of Pharmacy, Dr. Shakuntala Misra National Rehabilitation University, Lucknow. She has credit of more than 32 research/review papers in various national and international Journal of repute, has more than 45 abstract in various Seminar & Conferences, attended more then 37 FDP. She is Life time Member of Indian Pharmacy Graduate Association, (UP), and member of various organizing committee for national seminars. She has also Published 09 Indian Patents, 2 german patents. Her primary research interests are in the field of Nanotechnology, Dermal drug Delivery and Drug Delivery. She is awarded researchers of the year award. She has organised National and International conferences. Ms. Dwivedi has an excellent track record and is actively engaged in teaching, research administration and service to her profession.



Ms. Deepika Kunwar holds a Diploma in Pharmacy (D.Pharm), Bachelor of Pharmacy (B.Pharm), and Master of Pharmacy (M.Pharm) from DIT University, Dehradun, Uttarakhand. She has over eight years of experience in academics, research, and administrative services across various pharmacy institutions. Currently, she is serving as an Assistant Professor in the Department of Pharmaceutics at the Institute of Pharmacy, Dr. Shakuntala Misra National Rehabilitation University, Lucknow. Ms. Kunwar has excellent number of research/review publications in reputed international journals and abstracts published in seminar and conference proceedings. She has actively participated in various international conferences, four national conferences, and one professional workshop. She has an excellent academic and professional track record and is actively involved in teaching, research, academic administration, and service to the pharmacy profession



Dr. Sadaf Arfi, is currently working as Assistant Professor in Department of Pharmaceutics, Era college of Pharmacy, Era University, Lucknow. She has an experience of more than 8 years as an academican and in research field at CSIR-CDRI (Central Drug Research Institute, Lucknow). She did her B. Pharm and M. Pharm (Pharmaceutics) from Dr. A.P.J Abdul Kalam Technical University Lucknow Uttar Pradesh. She is pursuing Ph.D. in Pharmaceutical Sciences from Amity University, Lucknow. She has more than 15 research publications and book chapters in various reputed national and International SCI and Scopus indexed journals. She has two Indian and one International Patent. She has one book published on Social Pharmacy. She has given numerous oral and poster presentations, attended seminars, DST, AICTE sponsored workshops and conferences at National and International levels.



Dr. Reetu is an accomplished academican and researcher in the field of pharmaceutics. She holds a Ph.D. from K.R. Mangalam University, Gurgaon (2022) and an M. Pharm from BBDNIIT, UPTU, Lucknow. With over Ten years of teaching experience, she currently serves as an Associate Professor at College of Pharmacy, Integral university Lucknow. Her research interests include nanotechnology, drug formulation, and herbal pharmaceuticals, with 25 publications in reputed journals. She has won awards for her contributions, including Best Poster Award in a National Seminar. Additionally, Dr. Yadav is a registered pharmacist and an active member of professional organizations like APTI and Vigyan Bharti. She has also contributed to book chapters, patents, and student mentorship, guided numerous B.Pharm and M.Pharm students. Her dedication to research and education makes her a prominent figure in the pharmaceutical sciences.

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