

1.2 Pharmaceutics-V (Dosage forms design and cosmeticology)

1. Preformulation: Physical and chemical properties of drugs influencing design of dosage forms.
2. Sustained release dosage forms: Basic concepts, theory and implementation of design, Product evaluation and testing, practical formulation and controlled release technology.
3. Pharmaceutical Aerosols: Definitions, propellants, general formulation, manufacturing evaluation and packaging methods, pharmaceutical applications.
4. Pilot plant scale-up techniques.
5. Good manufacturing practices, optimization and validation of manufacturing process.
6. An Introduction: Novel drug delivery system.
7. Origin and development of cosmetic sciences and technology.
8. Structure and physiology of skin.
9. Definition and general formulation, manufacturing processes and evaluation of the following preparations: Creams, lotions, face powders, lipsticks, mouthwashes, shaving preparations, shampoos, baby toiletries, antiperspirants, deodorants, nail lacquers. Tooth powders.
10. Packaging of cosmetics.
11. Testing of cosmetic preparations.

Books Recommended:

1. Remingtons Pharmaceutical Sciences.
2. Theory and Practice of Industrial Pharmacy- Lachmann.
3. Bentley's text book of Pharmaceutics.
4. Novel drug delivery system, Juliano.
5. Cosmetics Sciences and Technology- Sagarin.
6. Good Manufacturing Practices- Yolkowski Marcill Dekker & Co.,NY.
7. H.Sucker, P. Fuchs, P. Spiser, Pharmaceutical Technology, Gerory Thieme Verlag, Stuttgart, 1978.
8. Food and Drug Administration 'Draft Guideline on the preparation of investigational raw products' 5600. Fishers Lane Rockville, Maryland 208576 February, 1988.