

Contents

1. Introduction to Cosmetics	1
Classification	
Different Types of Cosmetics Preparations	
Need	
Comparison of Cosmetic Preparations	
Uses	
Mechanism of Action	
2. Evaluation of Cosmetics	13
Facial Cosmetic Evaluation	
Physical Parameters	
Esthetic Parameters	
Testing of Process of Manufacturing	
Evaluation of Dentifrices	
Evaluation of Hair Conditioners	
Evaluation of Herbal Cosmetics	
Evaluation of Preservatives	
Efficacy Evaluation	
3. Cosmetic Excipients	20

4. General Instruments for Cosmetics Evaluations	83
Corneometer: Determining Hydration level of Skin	
Sebumeter: Determining the Skin Surface Sebum	
Skin-pH-Meter	
Mexameter: Assessing Melanin Content and Erythema Level	
Tewameter: Assessing the Skin Barrier Functions	
Skin-Thermometer: Measurement of Skin Temperature	
Reviscometer: Interesting Aspects of Skin Ageing	
Cutometer: Skin Elasticity	
5. Herbal Cosmetics Containing Herbal Drugs	87
Prominent Herbs used in Cosmetic Products	
Benefits to Skin	
Preparation of Herbal Cosmetics	
Herbal Anti-Ageing Preparations	
Antioxidant	
Types of Antioxidants:	
Endogenous Antioxidants	
Exogenous Antioxidants	
Food-Derived Antioxidants	
Natural Antioxidants	
Choice of Antioxidants in Cosmetic Formulas	
Herbal Skin toners and Tonics	
Herbal Sunscreens	
Skin Pigmentation	
6. Essentials of Stability Testing of Cosmetics	105
Physical/Chemical Stability Tests	
Microbiological Stability Tests	
Packaging Stability Tests	
Test of compatibility between formulation and containing material	
Cellulose Packaging	
Metal Packaging	
Plastic packaging	
Glass packaging	

7. Assessment of Toxicity of Cosmaceuticals 112

- Acute toxicity
- Irritation and Derma Corrosivity
 - Skin Irritation and Skin Corrosivity
 - Mucous Membrane Irritation
- Skin Senitization
- Dermal/Percutaneous absorption
- Repeated Dose Toxicity
- Mutagenicity/Genotoxicity
- Carcinogenicity
- Reproductive Toxicity
- Toxicokinetic Studies
- Photo-Induced Toxicity
 - Photoirritation/Photosensitization
 - Photomutagenicity/Photogenotoxicity

8. List of Cosmetics : Formulation, Method of Preparation and Uses 117

- Face Pack
- Face Mask
- Cold Cream
- Vanishing Cream
- Cleansing Cream
- After Save Lotions
- Acid Balance Shampoo
- Egg Shampoo
- Talcum Powder
- Face Powder
- Compact Powder
- Tooth Powder
- Tooth Paste
- Denture Cleansers
- Hair Conditioners

(xii) *Contents*

Lipstick
Eye liner
Liquid Soap
Baby Care Products
Complexion Lotion
Astringent Lotion
Pimple Removing Mask/Lotion

Bibliography	193
Model Questions	197
Index	201