



SECOND SEMESTER 2020-21
COURSE HANDOUT

Date: 17.01.2021

In addition to part I (General Handout for all courses appended to the Time table) this portion gives further specific details regarding the course.

Course No : PHA F422
Course Title : Cosmetic Science
Instructor-in-Charge : Dr. Murali Monohar Pandey

Tutorial/Practical Instructors:

1. Course Description:

Principles of formulation of typical cosmetic preparations such as cosmetic creams, powders, lipsticks, rouges, hair preparations, dentrifices, aerosol cosmetics, perfumes for cosmetic, their blending and mixing techniques. Some recent and new trends.

2. Scope and Objective of the Course:

This course will provide an introduction to the various cosmetics intended for beautification and hygiene, their formulation and evaluation of their quality. The laboratory sessions include involves some fundamental exercises in the evolution of formulae of products such as creams, lipsticks, hair care products, nail lacquers, dental care preparations etc.

3. Text Books:

1. Mithal B.M., Saha R.N., A Handbook of Cosmetics, 1st Ed., Vallabh Prakashan, Delhi, 2006

4. Reference Books:

1. Harrys Cosmeticology. Chemical publishing company
2. Balsam and Sagarin, Cosmetics: Science and Technology, Wiley-Interscience



5. Course Plan:

Module No.	Lecture Session	Reference	Learning outcomes
1. Cosmetics – an introduction	L1: Introduction to cosmetics	TB1- Chapter 1 and class notes	Orientation to cosmetic science
2. Cosmetics for skin	L2-L9: Structure of skin, Formulation and evaluation of various cosmetic products intended for skin including skin creams and sunscreen preparations.	TB1- Chapter 2-6 and class notes	Knowledge of cosmetic products intended to be used on skin
3. Cosmetics for hair	L10-L18: Structure of hair, Formulation and evaluation of various hair cosmetic products including shampoos, conditioners, hair colorants, hair removers and shaving preparations.	TB1- Chapters 7,8,10,13,14	Exposure to various types of products applied on hairs
4. Cosmetics for nails	L19-L21: Structure of nails, Formulation and evaluation of cosmetic products for nails such as nail lacquers and nail lacquer removers.	TB1- Chapters 15-17	Understanding of cosmetic products needed to be applied on nails
5. Cosmetics for hygiene	L22-L27: Formulation and evaluation of dental care products, soaps, perfumes and deodorants.	TB1- Chapters 19, 20 and Class notes	Application of cosmetics in hygiene
6. Use of Surfactants and other ingredients in cosmetics	L28-L30: Role of surfactants and other additives in cosmetics	Class notes	Exposure of various excipients used in cosmetic products
7. New developments in cosmetic science	L31-L35: Nanotechnology in cosmetics Herbal cosmetics Regulatory Developments	Class notes	Update to the current status of cosmetic science

6. Evaluation Scheme:

Component	Duration	Weightage (%)	Date & Time	Nature of component (Close Book/ Open Book)
Mid-Semester Test	90 min.	30		Closed Book
Continues assessment (Quizzes /assignments /presentation)		15	To be announced in the class	Closed Book/Open Book
Laboratory Components		15		Closed Book/Open Book
Comprehensive Examination	120 min	40		Closed Book



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7. Chamber Consultation Hour: To be announced in the class

8. Notices: Notice Board of the Pharmacy Department.

9. Make-up Policy: Make-ups are not given as a routine. It is solely dependent on the “genuineness” of the circumstances under which a student fails to appear in a scheduled evaluation component. Prior permission should be sought from the instructor-in-charge in advance.

10. Any further detail (if required) will be announced in class.

10. Note (if any): -

Instructor-in-charge
PHA F422