

## Academic Lesson Plan for Cosmetic Chemistry (Winter-2022)

<b>Discipline:Beauty Culture</b>	<b>Semester: 3rd</b>	<b>Name of the teaching faculty: Sasmita Moharana &amp; Madhusmita Sahoo</b>
<b>Subject: Cosmetic Chemistry</b>	<b>No. of days/per week Class Allotted: 4</b>	<b>Semester from: 15/09/2022-22/12/2022</b>
		<b>No. of weeks:15</b>
<b>Week</b>	<b>Class day</b>	<b>Theory Topics</b>
1st	1st	<b>CHAPTER- 1: WATER.</b> Different sources of water & types of water.
	2nd	Hardness of water and types of hardness. Causes of hardness.
	3rd	Removal of temporary hardness.
	4th	Removal of permanent hardness of water by Cold Limesoda process,
2nd	1st	Removal of permanent hardness of water by Hot Limesoda process
	2nd	<b>CHAPTER- 2: ACID, BASE &amp; SALT :</b> Definition acid & base in the light of Arrhenius theory,
	3rd	Lowry Bronsted theory of acids and bases.
	4th	Lewis theory of acids and bases.
3rd	1st	Types of acid ,base & salt with Examples & Neutralization reaction between acid & base
	2nd	Hydrogen Ion concentration. Definition of pH. pH scale, acidity & basicity.
	3rd	<b>CHAPTER-3: GAS PREPARATIONS :</b> Sources of ammonia (NH <sub>3</sub> ) gas. General methods of preparation of NH <sub>3</sub> gas.
	4th	Laboratory method of preparation of NH <sub>3</sub> gas, Physical and Chemical properties of NH <sub>3</sub> gas.
4th	1st	General uses of NH <sub>3</sub> gas and its application in Beauty Treatment
	2nd	Sources of Hydrogen Peroxide H <sub>2</sub> O <sub>2</sub> gas & General methods of preparation of H <sub>2</sub> O <sub>2</sub> gas.
	3rd	Laboratory method of preparation of H <sub>2</sub> O <sub>2</sub> gas, its Physical and Chemical properties.
	4th	General uses of H <sub>2</sub> O <sub>2</sub> and its application in beauty treatment.
5th	1st	<b>CHAPTER- 4: CREAMS,</b> Introduction, composition and function
	2nd	Cleaning creams.. 4.6 Sunscreen cream/lotion. 4.7 Anti-wrinkle cream. 4.8 Nourishing cream.

	3rd	Cold cream, composition & function
	4th	Vanishing cream.
6th	1st	Antibacterial cream.
	2nd	Bleaching cream.
	3rd	Sunscreen cream/lotion.
	4th	Sunscreen cream/lotion & Anti-wrinkle cream.
7 <sup>th</sup>	1st	Anti-wrinkle cream.
	2nd	Nourishing cream.
	3rd	CHAPTER-5: HAND AND FEET COSMETICS
	4th	Composition and function of Nail polish.
8th	1st	Composition and function of Nail polish & Nail polish remover.
	2nd	Composition and function of Nail polish remover
	3rd	Different types of homemade packs for hand and feet.
	4th	Different types of homemade packs for hand and feet.
9th	1st	<b>CHAPTER-6: FACIAL MASKS.</b>
	2nd	Types of facial masks- natural and chemical.
	3rd	Composition and functions of different facial masks.
	4th	Composition and functions of different facial masks.
10th	1st	Composition and functions of different facial masks.
	2nd	Composition and functions of different facial masks.
	3rd	<b>CHAPTER-7: FACE MAKE-UP.</b> Composition and functions of Talcum powder
	4th	Composition and functions of Coloured face powder
11th	1st	Compact face powder
	2nd	Rouge: Types, Composition & Function
	3rd	Lipstick: Composition, Function

	4th	Physiological action of different ingredients of lipstick
12th	1st	Composition & Function of Eyeliner
	2nd	Composition & Function of Eyebrow pencil
	3rd	Composition & Function of Eye shadow Mascara.
	4th	Composition & Function of Mascara.
13th	1st	CHAPTER- 8: COSMETICS USED FOR HAIR AND SCALP. 8.2
	2nd	Composition and functions of Shampoo.
	3rd	Composition and functions of Rinses.
	4th	Composition and functions of Conditioner.
14th	1st	Composition and functions of Setting lotions
	2nd	<b>CHAPTER-9: HYGIENIC PREPARATION</b>
	3rd	Composition and functions of Deodorants.
	4th	Antiperspirants.
15th	1st	Perfumes.
	2nd	<b>CHAPTER-10: BATH PREPARATION AND DEPILATORIES.</b> Composition & function of Bubble bath.
	3rd	Body massages oil & Depilatories
	4th	Hot and cold wax

*Sasmita Moharana Madhusmita Sahoo*

Signature of Faculty