

# **Courses of Study**

**2019-20**

**B.Sc. Cosmetic Science**

**IILP**

**(V&VI Sem)**

## School of Fashion Design and Beauty Cosmetology

Semester	Course I				Course II				Course III				Course IV				Course V				Course VI				Course VII				Course VIII				L	T	P	C	Contact Hours
V	<b>TXCO501</b>				<b>TXCO502</b>				<b>TXCO503</b>				<b>TXCO504</b>				<b>TXCO512</b>				<b>TXCO512</b>				<b>TXCO513</b>				<b>TXCO514</b>								
	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C					
	3	0	0	3	3	0	0	3	3	0	0	3	2	0	0	2	0	0	0	4	0	0	4	2	0	0	4	2	0	0	4	2	14	0	6	20	20
	PC				PC				PC				PC				PC				PC				Pc				Pc								
	Advance Cosmetic Chemistry III				Advance Product Development III				Advance Quality Assurance III				Advance Dermatology III				Advance Cosmetic Chemistry III L				Advance Product Development III L				Advance Quality Assurance III L				Advance Dermatology III L								
VI	<b>TXCO601</b>				<b>TXCO602</b>				<b>TXCO603</b>				<b>TXCO604</b>				<b>TXCO612</b>				<b>TXCO612</b>				<b>TXCO613</b>				<b>TXCO614</b>								
	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C	L	T	P	C					
	3	0	0	3	3	0	0	3	3	0	0	3	2	0	0	2	0	0	0	3	0	0	4	2	0	0	4	2	0	0	4	2	14	0	6	20	20
	PC				PC				PC				PC				PC				PC				PC				PC								
	Advance Cosmetic Chemistry IV				Advance Product Development IV				Advance Quality Assurance IV				Advance Dermatology IV				Advance Cosmetic Chemistry IV L				Advance Product Development IV L				Advance Quality Assurance IV L				Advance Dermatology III L								



## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced Cosmetic Chemistry-III (Theory)**

**Semester: V**

**Course Code: TXCO501**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
3	0	-	3	20	20	10	-	100	-	100
Max. Time, End Semester Exam (Theory) - 3Hrs.										

<b>Prerequisite</b>	1. Introduction and basic concepts of Chemistry. 2. Basic raw materials used in cosmetics with their chemistry.
---------------------	--

### Course Objectives

- The students will be familiar with specific actives used in cosmetic formulations, their technical aspects and evaluation methods.  
Students will be familiar with chemistry of actives used in cosmetic formulations.

They will know common natural raw materials, especially the basic functional group involved, their physical and chemical properties and their applications.

Course Content		
Unit No.	Content	Hours
1	Colours used in cosmetics: Introduction , classification according to origin, classification according to cosmetic products, schedule Q, review of marketed products.	10
2	Anti-acne agents: Introduction, classification, percentage used, examples, mechanism of action. Review of marketed products.	15
3	Anti-dandruff and anti-itching agents: Introduction, classification, percentage used, examples, mechanism of action. Review of marketed products.	10
4	Oral care agents:: Introduction, classification, percentage used, examples, mechanism of action. Review of marketed products.	10
	<b>Total No. of Hrs</b>	45



### Recommended Resources

**Text Books**

- 1) Cosmetic Science and Technology Vol I, II, III by Sagarin.
- 2) Harry's Cosmetology
- 3) Theory and Practice of Industrial Pharmacy by Leon Lachman.
- 4) New Cosmetic Science
- 5) Indian Herbs by Chopra
- 6) Wealth of India by CSIR



**School of Fashion Design and Beauty Cosmetology**  
Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced Product development -III (Theory)**

**Semester: V**

**Course Code: TXCO502**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
3	0	-	3	20	20	10	-	100	-	100
Max. Time, End Semester Exam (Theory) - 3Hrs.										

<b>Prerequisite</b>	1. Basic concepts of product development. 2. Introduction of different raw materials in eye products, deodorants, gels and aerosols.
---------------------	---

### Course Objectives

- At the end of this course, students will be familiar with the basic concepts of cosmetics and will understand commonly used cosmetic bases. The student will study basics of different bases used in formulations.

Course Content		
Unit No.	Content	Hours
1.	Aerosol preparations: principle, raw materials, containers, manufacturing methods and precautions.	10
2.	Gel: raw material, types, manufacturing procedure.	05
3.	Antiperspirant and Deodorant: General, ingredients, formulation and manufacturing. Astringents and skin tonics: General, ingredients, formulation and manufacturing.	15
4.	Face packs and Face mask: General introduction, raw material, formulation types, manufacturing, activated charcoal products, application and examples of marketed products.	15
5	Eye make-up preparation: Introduction, formulation, manufacturing of eye shadow, eye liner, eyebrow cosmetics and mascara and manufacturing of eye makeup removers.	15
<b>Total No. of Hrs</b>		<b>60</b>



#### Recommended Resources

**Text Books**

1. New Cosmetic Science by Takeo Mitsui
2. Harrys Cosmetology
3. Cosmetic Science and technology by Sagrin C.B
4. Handbook of Cosmetic Science and technology by Marc paye, Andre. O. Barel.



## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced Quality Assurance –III (Theory)**

**Semester: V**

**Course Code: TXCO503**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
3	0	-	3	20	20	10	-	100	-	100
Max. Time, End Semester Exam (Theory) - 3Hrs.										

Prerequisite	<b>1. Study of different types of Acts related to Cosmetic industry.</b> <b>2. Safety of cosmetics.</b>
--------------	--

### Course Objectives

- At the end of this course, students will be familiar with mandatory chemical and microbiological Quality requirement of Cosmetic Industry.

Course Content		
Unit No.	Content	Hours
1	Safety of cosmetics: Basic concept, safety test items and evaluation methods, animal test alternatives. Recent developed methods for test of cosmetics.	10
2	Hazards in cosmetic laboratory and necessary precautions.	10
3	Drug and cosmetic act and Schedule M (II)	15
4	Factory Act: - Introduction, provision regarding health & workers, provision regarding safety of workers provisions regarding welfare or workers medical examination.	15
5	Medicinal & Toilet preparation Act & Rules :- Objective, definition bonded laboratory bonded manufacturing, non-bonded laboratory exemption from duty.	10
Total No. of Hrs		60





<b>Recommended Books</b>	<b>1) Forensic Pharmacy by B.S. Kuchekar &amp; A.M. Khadatare</b> <b>2) Drugs and cosmetics act 1940 Govt. of India Publication.</b> <b>3) Text Book of Forensic Pharmacy by B.M. Mittal</b> <b>4) IP, BP, NF, USP</b>
--------------------------	---

## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced dermatology-III (Theory)**

**Semester: V**

**Course Code: TXCO504**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
3	0	-	3	20	20	10	-	100	-	100
Max. Time, End Semester Exam (Theory) - 3Hrs.										

<b>Prerequisite</b>	<b>1. Basic concepts makeup, factors affecting the skin and hair nutrition balance.</b>
---------------------	---

### Course Objectives

- The students will acquire theoretical concepts about skin and hair care routine and their makeup

Course Content		
Unit No.	Content	Hours
1	Resistance & Immunity of skin, a detailed study.	15
2	Food & nutrition, Balanced diet, yoga and meditation benefits. Beautician's attitude to client and professional ethics	10
3	Meso therapy, skin polishing, chemical peels, methods for tightening of skin.	10
4	Introduction to aroma therapy. i. Methods of extraction of essential oils. ii. Blending & precautions. Properties of essential oils & carrier also iii. Path testing, safety & precautions	10
<b>Total No. of Hrs</b>		<b>45</b>

### Resources



<b>Recommended Books</b>	<ol style="list-style-type: none"><li>1. <b>Anatomy and Physiology by Ross G Wilson.</b></li><li>2. <b>Manual of Dermatologic Therapeutics by Kenneth A. Amdt, (A Little • Brown Company)</b></li><li>3. <b>Roxburgh's common skin diseases</b></li></ol>
--------------------------	---



## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced Cosmetic Chemistry-III (Practical)**

**Semester: V**

**Course Code: TXCO511**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
0	0	4	2	20	20	10	50	0	50	100
Max. Time, End Semester Exam (Theory) -3Hrs.									End Semester Exam (Lab) – 3Hr	

### Objectives

1.	At the end of this course, students will know the manufacturing and formulation and chemistry of different raw materials.
----	---

Unit Number	Details	Hours
1	To prepare and submit Anti acne products.	4
2	To prepare and submit Anti dandruff products.	4
3	To prepare and submit Oral care products.	4
4	To prepare and submit Nail preparations – Nail lackers, nail bleach, cutical remover, enamel remover.	4
5	To prepare and submit sulphide and thioglycolate depilatories.	4
6	Identifications of perfume and flavours	8
7	Identification and study of colours ,pigments and dyes used in cosmetics.	4
Total		32 Hrs

## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science(IILP)

**Year: Third Year**

**Course: Advanced Product development III (Practical)**

**Semester: V**

**Course Code: TXCO512**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
0	0	4	2	20	20	10	50	0	50	100
Max. Time,End Semester Exam (Theory) -3Hrs.									End Semester Exam (Lab) – 3Hr	

### Objectives

The students will be aware of formulating the skin care and hair care cosmetics.

Unit Number	Details	Hours
1	Preparation and evaluation of gels(Hair styling gels, skin care gels, oral care gels)	8
2	Preparation and evaluation of deodorant sticks	12
3	Preparation and evaluation of antiperspirants	8
4	Preparation and evaluation of face packs and masks.	12
5	Preparation and evaluation of eyeliner, kajal	12
6	Preparation and evaluation of mascara,eyeshadows.	8
		60 hours

## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced Quality Assurance III (Practical)**

**Semester: V**

**Course Code: TXCO513**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
0	0	4	2	20	20	10	50	0	50	100
Max. Time, End Semester Exam (Theory) -3Hrs.									End Semester Exam (Lab) – 3Hr	

### Course Objectives

- 1 The learners will acquire comprehensive knowledge of cosmetic bases and factors affecting their physical properties, chemical properties and stability.
- 2 The students will get clear understanding of the concepts of rheology, micromeritics and dispersion techniques.

Course Content		
Unit No.	Content	Hours
1	To determine critical micellar concentration of given surfactant	4
2	To determine bulk density, true density & percentage porosity of given powder.	4
3	To determine the HLB value of glyceryl monostearate, Tween 80.	4
4	To determine sedimentation volume of given suspension	4
5	To determine particle size of given suspension using microscopic method.	4
6	To determine globule size of emulsion by optical microscopy.	4
7	To prepare and carry out, diffusion study of antiageing cream	4

	Total	28 Hrs.
--	-------	---------



## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced dermatology-III (Practical)**

**Semester: V**

**Course Code: TXCO514**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2A & B	CIA-3	Lab	Theory	Lab	
0	0	4	2	20	20	10	50	0	50	100
Max. Time, End Semester Exam (Theory) -3Hrs.									End Semester Exam (Lab) – 3Hr	

### Course Objectives

- At the end of this course, students will be familiar with the basic concepts of saloon management and different clinical treatments and applications of cosmetics.

Course Content		
Unit No.	Content	Hours
1.	Detailed Client consultation. 1. Skin Analysis. 2. Client record card. 3. customer ethics and satisfaction	9
2.	Detailed study of Different skin testing equipments.	9
3.	Scalp massage, steaming, Basic shampooing, conditioning and deep conditioning techniques.	9
4.	Practice in Spa Manicure and pedicure , Study of salon management techniques.	9
5	Practice in Applying Nail tips ,Nail Art, nail polish.	9
	<b>Total</b>	<b>45 hours</b>





## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced Cosmetic Chemistry-IV(Theory)**

**Semester: VI**

**Course Code: TXCO601**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
3	0	-	3	20	20	10	-	100	-	100
Max. Time, End Semester Exam (Theory) - 3Hrs.										

<b>Prerequisite</b>	3. Introduction and basic concepts of Chemistry. 4. Basic raw materials used in cosmetics with their chemistry.
---------------------	--

### Course Objectives

- The students will be familiar with specific actives used in cosmetic formulations, their technical aspects and evaluation methods.  
Students will be familiar with chemistry of actives used in cosmetic formulations  
  
They will know common natural raw materials, especially the basic functional group involved, their physical and chemical properties and their applications.

Course Content		
Unit No.	Content	Hours
1	Microencapsulation : Introduction, some Historical and other consideration, Reasons for microencapsulations pharmacological and physicochemical consideration	15
2	Core and coating properties: Introduction, Core properties, coating properties- Film formers, solvents Plasticizers. Surfactants, Channeling agents, waxy sealants & crosslinking agents	12
3	Nail Cosmetics: - Cuticle cream, oils & removers nail bleaches. Nail polish using film former polymers as basic materials, Quality control testing	12
4	Hair colorants Introduction hair, colouring systems. Characteristics of ideal hair colourants. Toxicity & dangers of para dyes formulation of permanent hair dyes. other dyes for hair aromatic polyhydroxy compounds, Vegetable hair dyes, metallic hair dyes. Hair color shampoos.	10
<b>Total No. of Hrs</b>		<b>49 Hrs.</b>



Recommended Resources

**Text Books**

- 1) 1. Text book of Pharmacognosy – Trease and Evan's
2. Pharmacognosy – Claus and Taylor.
3. Text Book of Pharmacognosy – T. E. Wallis.
4. Materia Medica – By Nadkarni.
5. Wealth of India – CSIR
6. Pharmacognosy – Dr. Kokate
7. Naturals and Cosmetics – Dr. Satish Sakharwade



## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science(IILP)

**Year: Third Year**

**Course: Advanced Product Development –IV (Theory)**

**Semester: VI**

**Course Code: TXCO602**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	Lab	Theory	Lab	
3	0	-	3	20	20	10	-	100	-	100
Max. Time, End Semester Exam (Theory) - 3Hrs.										

<b>Prerequisite</b>	3. Basic concepts of product development. 4. Introduction of different raw materials in eye products, deodorants, gels and aerosols.
---------------------	---

### Course Objectives

- 1 At the end of this course, students will be familiar with the basic concepts of cosmetics and will understand commonly used cosmetic bases .The student will study basics of different bases used in formulations.

Course Content		
Unit No.	Content	Hours
1.	Stability of cosmetics: Introduction, base formula, functional agents, stability based on usage of environment.	5
2.	Cosmetics for teeth: Introduction, problems of teeth, raw material, formulation , manufacturing and application of tooth paste, tooth powder and mouth wash. Review of marketed products.	10
3.	Fragrance products: Introduction, raw material, formulation , manufacturing methods and applications of alcoholic fragrance solution, emulsified and solid fragrances.	15
4	Depilatories: Introduction, raw material, formulation , manufacturing methods and applications. Cosmetics for extreme climates and insect repellants.	5
5	Mens beard cosmetics: serum, balm, colour waxes.	5
	<b>Total</b>	<b>40 hours</b>
	<b>Total</b>	



#### Recommended Resources

**Text Books**

5. New Cosmetic Science by Takeo Mitsui
6. Harrys Cosmetology
7. Cosmetic Science and technology by Sagrin C.B
8. Handbook of Cosmetic Science and technology by Marc paye, Andre. O. Barel.



## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science

**Year: Third Year**

**Course: Advanced Quality Assurance-IV (Theory)**

**Semester: VI**

**Course Code: TXCO603**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2A & B	CIA-3	Lab	Theory	Lab	
3	0	-	3	20	20	10	-	100	-	100
Max. Time, End Semester Exam (Theory) - 3Hrs.										

### Course Objectives

- At the end of this course, students will be familiar with mandatory chemical and microbiological Quality requirement of Cosmetic Industry.

Course Content		
Unit No.	Content	Hours
1	Evaluation of Natural Products :- A study of exogenous & endogenous factors detecting quality & purity of drugs by special emphasis on 1) Morphological or organoleptic evolution 2) Microscopy evaluation 3) Chemical Evaluation 4) Physical Evaluation 5) Biological Evaluation	15
2	Extraction of Medicinal plants- Types of Herbal extracts processing, quality, assurance choice of solvents, instructions prior to extraction, Drying of extracts & some special considerations.	10
3	Process Hazards & Safety measures in Equipments design : Introduction, hazards in process Industries, analysis of hazards, safety measures, safety measures in equipment designs.	8
4	Evaluation of active ingredients in finished products. Validation of cosmetic manufacturing.	7
	<b>Total</b>	<b>40 Hrs.</b>

<b>Recommended Books</b>	<p>1) Microbiology by Michael.J. Pelczar, J.R.,E.C.S Chan and Noel kreig.</p> <p>2) Microbiology by Ananthnarayan</p> <p>3) Microbiology: A textbook of university students by Sharma P.D.</p> <p>4) Fundamentals of analytical chemistry-Skoog D.A and West D.M.Saunders,College Publication</p> <p>5) Principle and practice of analytical chemistry-Fifield F.W and kealyD,Blackwell science.</p>
--------------------------	--

## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced Dermatology-IV (Theory)**

**Semester: VI**

**Course Code: TXCO604**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2A & B	CIA-3	Lab	Theory	Lab	
3	0	-	3	20	20	10	-	100	-	100
Max. Time, End Semester Exam (Theory) - 3Hrs.										

<b>Prerequisite</b>	<b>2. Basic concepts of essential requirements of the skin.</b>
---------------------	---

### Course Objectives

- The students will acquire theoretical concepts about the different requirements for skin like emollients.

Course Content		
Unit No.	Content	Hours
1	Determination of toxic elements.	9
2	Routes of drug administration Introduction of skin absorption and studies and their importance.	6
3	Pharmacology of Topical drugs, Introduction. Types of Topical drugs: a. Protective absorbents b. Demulcents. c. Emollients d. Astringents and antiperspirants-deodorant e. Irritants, Rubefacients and Vesicants. f. Sclerosing Agents. g. Caustics and Escharotics h. Keratolytics (Desquamating Agents) i. Cleansing preparations	15
4	Compliance and drug and cosmetic act 1940 with reference to provisions for packaging and labeling (Rule 150A, Schedule S) permitted colors, flavours etc.	9
6	Formulary : Topical corticosteroids, Topical anti-infective, healing agents, Depilatories and removal of excess Hair by thermolysis, electrolysis, Keratolytic, Pigmenting agent	9
	<b>Total</b>	<b>48 hours</b>

### Resources

<b>Recommended Books</b>	<p>. 1. Fransis – Introduction to Human Anatomy.</p> <p>2. Pharmacology and Pharmacotherapeutics By R.S. Satoskar and S. Bhandarka</p>
--------------------------	--



## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced Cosmetic Chemistry-IV (Practical)**

**Semester: VI**

**Course Code: TXCO611**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2A&B	CIA-3	Lab	Theory	Lab	
0	0	4	2	20	20	10	50	0	50	100
Max. Time,End Semester Exam (Theory) -3Hrs.									End Semester Exam (Lab) – 3Hr	

### Objectives

1.	At the end of this course, students will know the various test prescribed by Bureau of Indian standards. Will also be familiar with analysis of raw materials with regard to its identification
----	---

Unit Number	Details	Hours
1	Experiments based on nutraceuticals & cosmeceuticals.	4
2	Experiment based on encapsulation techniques.	4
3	BIS evaluation of film formers	4
4	BIS evaluation of plasticisers.	4
5	BIS evaluation of solvents.	4
6	BIS evaluation of nail lacquers.	8
7	BIS evaluation of cuticle creams, nail paint removers.	4
Total		32 Hrs

## School of Fashion Design and Beauty Cosmetology

Third Year B.Sc. Cosmetics Science (IILP)

**Year: Third Year**

**Course: Advanced Product Developments IV- (Practical)**

**Semester: VI**

**Course Code: TXCO612**

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA)					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2A & B	CIA-3	Lab	Theory	Lab	
0	0	4	2	20	20	10	50	0	50	100
Max. Time, End Semester Exam (Theory) -3Hrs.									End Semester Exam (Lab) – 3Hr	

### Objectives

The students will be aware of formulating the skin care and hair care cosmetics.

Unit Number	Details	Hours
1	Experiments based on stability study of cosmetics and shelf life.	8
2	Experiments based on preparations of oral care cosmetics in all possible forms (pastes, gels, powders, etc).	12
3	Experiments based on preparations of mouthwashes.	8
4	Experiments based on preparations of depilatories.	12
5	Experiments based on preparations of nail lacquers.	12
6	Experiments based on preparations of cuticle creams, nail bleaches.	8
		60 hours



## **School of Fashion Design and Beauty Cosmetology**



Third Year B.Sc. Cosmetics Science (IILP)



**Year: Third Year**

**Semester: VI**









Teaching	Continuous Internal Assessment (CIA)	End Semester	Total
----------	--------------------------------------	--------------	-------

Scheme		Examination	
--------	--	-------------	--

(Hrs/Week)			
------------	--	--	--

L	T	P	C	CIA-1	CIA-	CIA-3	Lab	Theory	Lab	
---	---	---	---	-------	------	-------	-----	--------	-----	--



					2					
--	--	--	--	--	---	--	--	--	--	--

0	0	4	2	20	20	10	50	0	50	100
---	---	---	---	----	----	----	----	---	----	-----

**Max. Time,End Semester Exam (Theory) -3Hrs.**

**End Semester Exam (Lab) – 3Hr**







## Course Objectives

**1** Students will understand the operations of analytical instruments used in Quality control methods of

cosmetics











Unit	Content	Hours
------	---------	-------

No.		
-----	--	--

<b>1</b>	Preparation of different herbal extracts for skin care cosmetics.	<b>4</b>
----------	---	----------

<b>2</b>	Preparation of different herbal extracts for hair care cosmetics.	<b>4</b>
----------	---	----------

<b>3</b>	Determination of extractable matter i. Alcohol soluble extractive value. ii.	<b>4</b>
----------	--	----------

	Determination of water-soluble extractive value iii. Determination of Moisture	
--	--	--

	content iv. Determination of volatile oils in drugs.	
--	--	--



<b>4</b>	Documentary study of various HPLC equipments available in market.	<b>4</b>
----------	---	----------

<b>5</b>	Documentary study of various spray dryers available in market.	<b>4</b>
----------	--	----------

<b>6</b>	Documentary study of various ball mills available in market.	<b>4</b>
----------	--	----------

<b>7</b>	Documentary study of various viscometers and sonicators available in market.	<b>4</b>
----------	--	----------

<b>8</b>	Evaluation of Herbal Extract. i) Colour of the extract ii) Smell of the extract iii) pH	<b>4</b>
----------	---	----------

	of the extract iv) U.V. & visible spectrophotometry v) Colorimetry assays vi) Thin	
--	--	--

	layer chromatography vii) Densitometry viii) HPLC Technique ix) Infrared	
--	--	--

	spectroscopy	
--	--------------	--



<b>9</b>	Experiments based on soxhlet apparatus.	<b>4</b>
----------	---	----------

--	--	--

	Total	36 Hrs.
--	-------	---------









## **School of Fashion Design and Beauty Cosmetology**



Third Year B.Sc. Cosmetics Science (IILP)





**Year: Third Year**

**Semester: VI**







Teaching	Continuous Internal Assessment (CIA)	End Semester	Total
----------	--------------------------------------	--------------	-------

Scheme		Examination	
--------	--	-------------	--



(Hrs/Week)			
------------	--	--	--



L	T	P	C	CIA-1	CIA-	CIA-3	Lab	Theory	Lab	
---	---	---	---	-------	------	-------	-----	--------	-----	--



					2					
--	--	--	--	--	---	--	--	--	--	--

0	0	4	2	20	20	10	50	0	50	100
---	---	---	---	----	----	----	----	---	----	-----

**Max. Time,End Semester Exam (Theory) -3Hrs.**

**End Semester Exam (Lab) – 3Hr**





## Course Objectives

**1** At the end of this course, students will be familiar with the basic concepts of clinical treatment of



different skin and hair disorders.





Unit	Content	Hours
------	---------	-------

No.		
-----	--	--

<b>1.</b>	To carry out treatment for acne.( case study)	<b>9</b>
-----------	---	----------

<b>2.</b>	To carry out treatment for dandruff.(case study)	<b>9</b>
-----------	--	----------

<b>3.</b>	Practice in applying false eyelashes.	<b>9</b>
-----------	---------------------------------------	----------



4.	To carry out experiments based on face tightening and rejuvenation.	9
----	---	---

<b>5</b>	Documentary study for the treatment of lice, graying of hair.	<b>9</b>
----------	---	----------

	Total	45 hours
--	-------	----------

