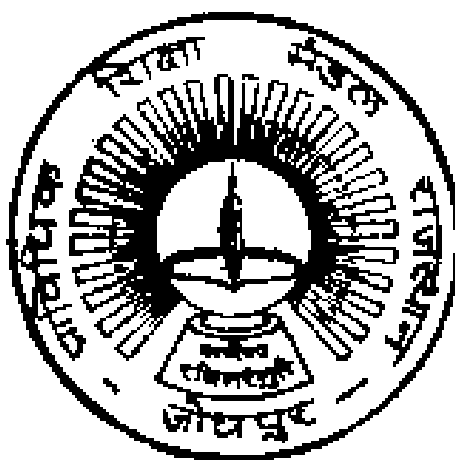


GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN
JODHPUR

SEMESTER SCHEME-2020-21

(SESSION 2021-2022 & ONWARDS)



TEACHING AND EXAMINATION SCHEME
AND SYLLABUS

BEAUTY CULTURE

(BC)

.....
Curriculum Development Cell
Board of Technical Education, Rajasthan
W-6 Residency Road,
Jodhpur

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME
FOR DIPLOMA I SEMESTER (BEAUTY CULTURE)(BC)
SESSION 2020-2021 & ONWARDS

Subject Code	Subject	Distribution of Time				Distribution of Max. Marks/ Duration							Total Marks	Credits
		Hours per week				End Semester Exam.			Internal Assessment					
		L	T	P	Tot	TH	Hrs.	PR	Hrs.	CT	TU	PR(S)		
*BC 1001	Communication Skill in English-I	1	--	--	1	60	3	--	---	40	--	--	100	1.0
*BC 1002	Computer Applications-I	2	--	--	2	60	3	--	--	40	--	--	100	2.0
BC 1003	Dietetics	2	1	--	3	60	3	--	--	20	20	--	100	3.0
BC 1004	Personality Grooming	1	1	--	2	60	3	--	--	20	20	--	100	2.0
BC 1005	Beauty Therapy – I Lab	--	--	7	7	--	--	40	3	--	--	60	100	3.5
BC 1006	Hair Dressing – I Lab	--	--	7	7	--	--	40	3	--	--	60	100	3.5
BC 1007	Body Perfection & Yoga – I Lab	--	--	6	6	--	--	40	3	--	--	60	100	3.0
*BC 1008	Communication Skill in English-I Lab	--	--	2	2	--	--	40	3	--	--	60	100	1.0
*BC 1009	Computer Applications-I Lab	--	--	3	3	--	--	40	3	--	--	60	100	1.5
*BC 1111	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2.0
	Students Centered Activities	--	--	2	2	--	--	--	--	--	--	--	--	-
	Total	6	2	28	36	240	--	200	--	120	40	400	1000	22.5
Grand Total :												1000	22.5	

1. L : Lecture

2. T : Tutorial

3. P : Practical

4. TH : Marks for End Semester Exam for Theory

5. PR : Marks for End Semester Exam for Practical

6. CT : Marks for class tests (Internal Assessment)

7. TU : Marks for tutorials (Internal Assessment)

8. PR(S) : Marks for practical and viva (Internal Assessment)

*BC 1001,*BC 1002, *BC 1008 , *BC 1009 and *BC 1111 are Same in all Branches of Non Engineering.

Two weeks Induction Programme for students to be offered right at the start of First Semester.

Induction Programme includes 1. Creative Arts 2. Universal Human Values 3. Literary 4. Proficiency Modules 5. Lectures by Eminent Persons 6. Visits to City / Nearby Industries 7. Familiarization to Department / Branch / Exhibition room.

Anandam (Joy of Giving): In addition to the practical of one hour every week, students will have to do activities at home and college after college hours.

* **Student Centered Activities include** 1. Expert lectures/ practice sessions on technical topics of common interest 2. Personality development 3. Human values

4. Industrial visits 5. Art of living 6. Environmental issues 7. Quiz programs 8. Interview techniques 9. Greening and cleaning of campus 10. Disaster Management techniques etc.

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME
FOR DIPLOMA II SEMESTER (BEAUTY CULTURE)(BC)
SESSION 2020-2021 & ONWARDS

Subject Code	Subject	Distribution of Time				Distribution of Max. Marks/ Duration							Total Marks	Credits
		Hours per week				End Semester Exam.				Internal Assessment				
		L	T	P	Tot	TH	Hrs.	PR	Hrs.	CT	TU	PR(S)		
*BC 2001	Communication Skills in English-II	1	--	--	1	60	3	--	--	40	--	--	100	1.0
*BC 2002	Computer Applications-II	2	--	--	2	60	3	--	--	40	--	--	100	2.0
BC 2003	Anatomy & Physiology	2	1	--	3	60	3	--	--	20	20	--	100	3.0
BC 2004	Natural Cosmetology	1	1	--	2	60	3	--	--	20	20	--	100	2.0
BC 2005	Beauty Therapy – II Lab	--	--	7	7	--	--	40	3	--	--	60	100	3.5
BC 2006	Hair Dressing – II Lab	--	--	7	7	--	--	40	3	--	--	60	100	3.5
BC 2007	Body Perfection & Yoga – II Lab	--	--	6	6	--	--	40	3	--	--	60	100	3.0
*BC 2008	Communication Skills in English-II Lab	--	--	2	2	--	--	40	3	--	--	60	100	1.0
*BC 2009	Computer Applications-II Lab	--	--	3	3	--	--	40	3	--	--	60	100	1.5
*BC 2111	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2.0
	Students Centered Activities	--	--	2	2	--	--	--	--	--	--	--	--	-
	Total	6	2	28	36	240	--	200	--	120	40	400	1000	22.5
Grand Total :												1000	22.5	

1. L : Lecture
2. T : Tutorial
3. P : Practical
4. TH : Marks for End Semester Exam for Theory
5. PR : Marks for End Semester Exam for Practical
6. CT : Marks for class tests (Internal Assessment)
7. TU : Marks for tutorials (Internal Assessment)
8. PR(S) : Marks for practical and viva (Internal Assessment)

*BC 2001, *BC 2002, *BC 2008, *BC 2009 and *BC 2111 are same in all Branches of Non Engineering.

Anandam (Joy of Giving): In addition to the practical of one hour every week, students will have to do activities at home and college after college hours.

Students Centered Activities include 1. Expert lectures/ practice sessions on technical topics of common interest 2. Personality development 3. Human values

4. Industrial visits 5. Art of living 6. Environmental issues 7. Quiz programs 8. Interview techniques 9. Greening and cleaning of campus 10. Disaster Management techniques etc. Students Centered Activities will be graded as A, B, C & D on the basis of attendance and interest of the student in learning.

NOTE: Students will go for one month (24 Working Days) Summer Internship in the Summer Vacations after Second Semester. The Assessment of the Summer Internship will be done in Third Semester.

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2020-21)
FOR DIPLOMA III SEMESTER (BEAUTY CULTURE) (BC)
(SESSION 2021-2022& ONWARDS)

Subject Code	Subject	Distribution of Time				Distribution of Max. Marks/ Duration							Total Marks	Credits
		Hours per week				End Semester Exam.				Internal Assessment				
		L	T	P	Tot	TH	Hrs.	PR	Hrs.	CT	TU/Asi.	PR(S)		
*BC 3001	Environmental Studies-I	2	--	--	2	60	3	--	--	20	20	--	100	2.0
BC 3002	Cosmetic Science-I	5	--	--	5	60	3	--	--	20	20	--	100	5.0
BC 3003	Entrepreneurship	3	2	--	5	60	3	--	--	20	20	--	100	5.0
BC 3004	Cosmetology	3	2	--	5	60	3	--	--	20	20	--	100	5.0
BC 3005	Beauty Therapy –III Lab	-	--	4	4	--	--	40	3	--	--	60	100	2.0
BC 3006	Hair Dressing–III Lab	-	--	3	3	--	--	40	3	--	--	60	100	1.5
BC 3007	Body Perfection and Yoga –III Lab	-	--	3	3	--	--	40	3	--	--	60	100	1.5
BC 3008	Cosmetic Science-I Lab	-	--	2	2	--	--	40	3	--	--	60	100	1.0
*BC 3009	Environmental Studies-I Lab	--	--	2	2	--	--	40	3	--	--	60	100	1.0
BC 3010	Project	--	--	2	2	--	--	--	--	--	--	--	--	0.0
BC 3011	Summer Internship(4 Weeks after II Semester)	--	--	--	--	--	--	100	--	--	--	--	100	2.0
*BC 3333	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2.0
	Students Centered Activities	--	--	2	2	--	--	--	--	--	--	--	--	-
	Total	13	4	19	36	240	--	300	--	80	80	400	1100	28.0
Grand Total :												1100	28.0	

- | | |
|--|---|
| 1. L : Lecture | 5. PR : Marks for End Semester Exam for Practical |
| 2. T : Tutorial | 6. CT : Marks for class tests (Internal Assessment) |
| 3. P : Practical | 7. TU : Marks for tutorials (Internal Assessment) |
| 4. TH : Marks for End Semester Exam for Theory | 8. PR(S) : Marks for practical and viva (Internal Assessment) |

*BC 3001, *BC 3009 and *BC 3333 are same in all Branches of Non Engineering.

Project will be continued and Assesed in IV Semester

Students Centered Activities will be graded as A, B, C & D on the basis of attendance and interest of the student in learning.

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2020-21)
FOR DIPLOMA IV SEMESTER (BEAUTY CULTURE)
(SESSION 2021-2022& ONWARDS)

Subject Code	Subject	Distribution of Time				Distribution of Max. Marks/ Duration							Total Marks	Credits
		Hours per week				End Semester Exam.				Internal Assessment				
		L	T	P	Tot	TH	Hrs.	PR	Hrs.	CT	TU/Asi.	PR(S)		
*BC 4001	Environmental Studies-II	2	--	--	2	60	3	--	--	20	20	--	100	2.0
BC 4002	Cosmetic Science-II	4	--	--	4	60	3	--	--	20	20	--	100	4.0
BC 4003	Parlor Management	3	2	--	5	60	3	--	--	20	20	--	100	5.0
BC 4004	Common Disorders of Skin ,Nails and Hair	3	1	--	4	60	3	--	--	20	20	--	100	4.0
BC 4005	Beauty Therapy –IV Lab	--	-	3	3	--	--	40	3	--	--	60	100	1.5
BC 4006	Hair Dressing–IV Lab	--	-	3	3	--	--	40	3	--	--	60	100	1.5
BC 4007	Body Perfection and Yoga –IV Lab	--	-	3	3	--	--	40	3	--	--	60	100	1.5
BC 4008	Cosmetic Science—II Lab	--	--	1	1	--	--	40	3	--	--	60	100	0.5
*BC 4009	Environmental Studies-II Lab	--	--	2	2	--	--	40	3	--	--	60	100	1.0
BC 4010	Project	--	--	6	6	--	--	40	--	--	--	60	100	4.0
*BC 4444	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2.0
	Students Centered Activities	--	--	2	2	--	--	--	--	--	--	--	--	-
	Total	12	3	21	36	240	--	240	--	80	80	460	1100	27.0
Grand Total :												1100	27.0	

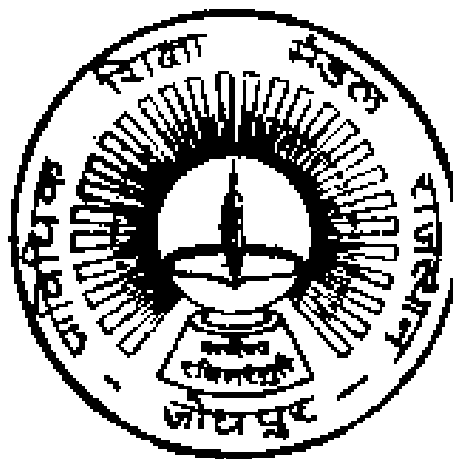
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|--|---|
| 1. L : Lecture | 5. PR : Marks for End Semester Exam for Practical |
| 2. T : Tutorial | 6. CT : Marks for class tests (Internal Assessment) |
| 3. P : Practical | 7. TU : Marks for tutorials (Internal Assessment) |
| 4. TH : Marks for End Semester Exam for Theory | 8. PR(S) : Marks for practical and viva (Internal Assessment) |

*BC 4001, *BC 4009 and *BC 4444 are same in all Branches of Non Engineering.

Students Centered Activities will be graded as A, B, C & D on the basis of attendance and interest of the student in learning.

**GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN JODHPUR**

SEMESTER SCHEME-2020-21



I SEMESTER
(SESSION 2021-2022 & ONWARDS)

COMMUNICATION SKILLS IN ENGLISH - I

Course Code	BC-1001 (Common in All Branches of Non Engineering)
Course Title	Communication Skills in English - I
Number of Credits	1(L-1 T-0, P-0)
Prerequisites	None

RATIONAL

For business purposes at every level of performance, language remains the most common and important means of communication. A diploma holder who wants to join an industry or organization needs to possess adequate knowledge and skills in language, its usage and presentation. Proficiency both in written and spoken language is required to be developed among the diploma holders

COURSE LEARNING OUTCOMES (SLOS)

After studying the subject the students will have the basic knowledge and skills related to syntax and semantics of English Language.

CONTENTS

	L
1. Grammar : :	6
1.1 Parts of Speech : Noun; Pronoun; Verb; Adverb; Adjective ; Preposition ; Conjunction ; Interjection	
1.2 Common errors in usage of parts of speech	
1.3 Articles, Modals in Conversational Usage, Tenses, Modals: Can, Could, Shall, Should, Will, Would, May, Might, Must, Need not, Darenot, ought to, Used to.	
2. Punctuation:	2
2.1 Full stop, Comma, Question mark, Exclamation mark, Inverted Commas, Capital letters.	
3. Letter Writing and Report Writing	3

REFERENCE BOOKS

1. Intermediate English Grammar	Raymond Murphy, Cambridge University Press
2. English Grammar, Usage & Composition	Tickoo & Subramanian, Pub: S. Chand and Co.
3. A Practical Eng. Grammar (and its Exercise Books)	Thomson and Martinet Pub: ELBS
4. High School English Grammar and Composition	Wren & Martin, Pub: S. Chand and Co.
5. ABC of Common Grammatical Errors	Nigel D Turton, Macmillan India Ltd.
6. Soft Skills	Dr. K. Alex, Pub: S. Chand and Co.

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COMPUTER APPLICATIONS-I

Course Code	BC-1002 (Common in All Branches of Non Engineering)
Course Title	Computer Applications - I
Number of Credits	2(L-2 T-0, P-0)
Prerequisites	None

RATIONALE

Use of Computer is increasing for precise and speedy work so it is useful to provide computer knowledge to the students. The course content is designed to give an overview and understand working of computer components and Operating System. The course also focuses on basic application Software for office automation.

SUBJECT LEARNING OUTCOMES (SLOS)

After studying the subject, the students will be able to appreciate the role of Computer Technology, more specifically computer hardware, software and its application in the present social and economic scenario.

1. Introduction	L 6
1.1 Characteristics of Computers	
1.2 Application of Computer	
1.3 Component of Computer	
1.3.1 Block Diagram of Computer	
1.3.2 ALU and CU	
1.3.3 Input Devices: Keyboard, Mouse, Joystick, Scanner, Optical Mark Reader, Bar-code Reader, Magnetic Ink Character Reader, Web Camera	
1.3.4 Output Device: Monitor, Impact printer – Dot Matrix, Non Impact Printers: Laser and Inkjet Printer	
1.3.5 Memory Organization, Primary Memory, Secondary Memory	
1.4 Software	
1.4.1 System Software	
1.4.2 Application Software	
1.5 Relationship between Hardware and Software	
2. Operating System	4
2.1 Concept of Operating System	
2.2 Functions of Operating System	
2.3 Creating Folder and Shortcut	
2.4 Study of Popular Operating Systems: Windows, Androids.	
2.5 Control Panel: Adding new hardware and software, Display, Adding new font, User account management	
3. Office Automation Software	9
3.1 Word Processing	
3.1.1 Copy, Paste, Find and Replace, Redo Undo, Change Case, Spell Check	
3.1.2 Creating and Formatting Tables, Mail Merge	
3.1.3 Character and Paragraph Formatting, Page Formatting, Header Footer	
3.2 Spreadsheet	
3.2.1 Creating, Saving and Editing a Workbook	
3.2.2 Formatting cells: changing data alignment, different number formats, changing font, adding borders and colors	
3.2.3 Sorting and Filtering, Charts and Graphs	
3.3 Presentation Software	
3.3.1 Creating, Opening, Saving presentations and Printing: Slides, Handout	
3.3.2 Slide Layout, Presentation Views	

3.3.3 Design Presentation, Running and Controlling a Slide Show

4. Applications of Mobile Phones

3

4.1 Importance of Mobile Phones

4.2 Different Features of Mobile phones like SMS, Instant Messaging Services and File sharing

4.3 Different applications of mobile phones in Education and Business.

REFERENCE BOOKS

- 1 Computer Fundamentals
2. Microsoft office for 2016

P.K. Sinha and P. Sinha,BPB publication.
Amy Kinser,Pearson education.

SEMESTER SCHEME 2020-21

DIETETICS

Course Code	BC-1003
Course Title	Dietetics
Number of Credits	3(L-2 T-1, P-0)
Prerequisites	None

RATIONALE

The students seeking admission to the diploma of Beauty Culture must have thorough knowledge of elements of food and nutrition, as nutrition is the internal base of beauty. Healthy food makes one slim and smart and makes the body and hair healthy.

SUBJECT LEARNING OUTCOMES (SLOS)

After studying the subject the Learner will be able to:

1. Understand Relationship between diet and health
2. Design individual nutritional therapies to address specific health issue such as obesity, thyroid etc.
3. Know the difference between dietetics and nutrition.
4. Understand the importance of dietetics in beauty field

CONTENTS

	L	T
1. Food Nutrition and Health	6	3
1.1 Definition of Dietetics, Food and nutrition		
1.2 Basic study of following – definition. Sources , function and deficiency disease only		
1.2.1 Protein		
1.2.2 Carbohydrates		
1.2.3 Fats		
1.2.4 Mineral Salt		
1.2.5 Vitamins		
1.2.6 Water		
2. Calorie :	2	1
2.1 Definition		
2.2 Calorie needs for different Age Groups		
3. Diet planning :	10	5
3.1 Study of Food Groups (5 groups)		
3.2 Balance Diet (Definition and Need)		
3.3 Vegetarian		
3.4 Non – vegetarian		
3.5 Vegan		
3.6 Diet for Reducing or Putting on Weight.		
3.6.1 keto diet		
3.6.2 Intermittent diet		
3.7 Therapeutic Diet (Fever, thyroid, diabetes and B.P)		
4. Cooking methods to prevent destruction of nutrients	4	2
4.1 Dry heat (broiling, grilling, roasting)		
4.2 Moist heat (boiling, stewing, steaming cooking under pressure)		
4.3 Frying (shallow, deep, sautéing)		
4.4 Infra-Red and microwave radiation		

REFERENCE BOOKS

1. Hand book of food and Nutrition M. Swaminathan.

PERSONALITY GROOMING

Course Code	BC-1004
Course Title	Personality Grooming
Number of Credits	2(L-1 T-1, P-0)
Prerequisites	None

RATIONALE

The students seeking admission to the diploma of Beauty Culture must have knowledge of Personality Development., which can help them in improving the personality of a person. The personality of a person plays an important role in creating effective impression on others.

SUBJECT LEARNING OUTCOMES (SLOS)

After studying the subject the Learner will be able to:

1. Understand the inner with the outer beauty
2. Understand to maintain good appearance and behavior
3. Improving the personality
4. Know good life style

CONTENTS

	L	T
1. Personality	2	2
1.1 Definition.		
1.2 Characteristics of Impressive Personality		
2. Traits of Personality :	4	4
2.1 Good Manners		
2.2 Posture: Improving Poise.		
2.2.1 Good standing posture		
2.2.2 Good sitting posture		
2.2.3 Good walking posture		
2.3 Smart Time Management		
3. Communication Skill	3	3
3.1 Effective Speaking		
3.2 Professional Ethics		
3.3 Promoting on social media		
4. Wardrobe Planning:	2	2
4.1 Selection of Clothing		
4.2 Attractive Clothing as per Body shape.		
4.3 Accessories.		

REFERENCE BOOKS

- | | |
|--|----------------|
| 1. Personality development and soft skills : | Barun K. Mitra |
| 2. The Personality development Book: | Sourav Das |
| 3. Complete. personality development course | Surya Sinha |

BEAUTY THERAPY – I LAB

Course Code	BC-1005
Course Title	Beauty Therapy - I Lab
Number of Credits	3.5(L-0 T-0, P-7)
Prerequisites	None

RATIONALE

The students seeking admission to the diploma of Beauty Culture must be well versed with knowledge and practical of Beauty Therapy as this particular subject gives maximum standing for professionalism in this field.

SUBJECT LEARNING OUTCOMES (SLOS)

After completing the course the learner will be able to:

1. Differentiate between different types of skin and their care to keep skin in good condition.
2. Know about cosmetics and awareness of their effects.
3. Take care of nails, hands and feet for the beautiful impact
4. Knowledge of permanent and temporary superfluous hair removing techniques
5. Knowledge of body tattoo to compete in fashion world
6. Developing impressive, confident skills for employment

CONTENTS

1. Skin Care :	5
1.1 Introduction, Cosmetic knowledge, Procedure, benefits, precautions	
1.2 Analysis different Skin Types	
1.3 Daily Skin Care routine	
1.4 Basic Kit for Beauty services	
1.5 Brands available in Markets	
2. Manicure and Pedicure :	30
2.1 Introduction, Cosmetic knowledge, Procedure, benefits, precautions	
2.2 Manicure and pedicure massage Types	
2.2.1 Plain	
2.2.2 French	
2.2.3 Hot Oil	
2.2.4 Paraffin Wax	
2.2.5 Deluxe	
2.2.6 electric	
2.2.7 manicure and pedicure spa	
2.3 Different types of nail shapes	
2.4 Disorder and diseases of nails	
2.5 Harmful effects of cosmetics on nails & and it's cure	
3. Superflous Hair Removal :	20
3.1 Introduction, Definition Cosmetic knowledge, Procedure, benefits, precautions	
3.2 Epilation and Depilation Techniques	
3.2.1 Removal of hair from face and whole body parts	
3.3 Eye brow Shaping by different methods	
3.3.1 Threading	
3.3.2 Waxing	
3.3.3 plucker	

3.4 Arch and correct placing and shaping of eye brow Bleaching

3.4.1 Face and Body Bleach

3.4.2 preparation & procedure

3.4.3 Working of bleach

3.4.4 Types of bleach

4. Body Tattoo by mehendi & temporary colours

10

4.1 Introduction, Cosmetic knowledge, Procedure, benefits, precautions

4.2 Study of different designs

4.3 Formation of basic Mehendi designs for tattoo

4.4 Tattoo by different means

5. Plain facial

12

5.1 Introduction, Cosmetic knowledge, Procedure, benefits, precautions

5.1.1 Cleansing technique

5.1.2 Basic and facial massage manipulation

5.1.3 face pack applying technique

5.1.4 plain facial for all types of skin

Note : The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS

1. Standard Text Book of Cosmetology
2. Principles and Practice of Beauty Culture
3. Manual for Skin Care, Cosmetics application and Corrective Make-up
4. Beauty Specialist

Milady staff
Florence wall
Madame Korner
Ann Gallant

HAIR DRESSING – I LAB

Course Code	BC-1006
Course Title	Hair Dressing - I Lab
Number of Credits	3.5(L-0 T-0, P-7)
Prerequisites	None

RATIONALE

The students seeking admission to the diploma of Beauty Culture must be well versed with knowledge and practical of hairdressing because hair designing is an important aspect of external beauty. Since ages crowning glory is the subject of admiration.

SUBJECT LEARNING OUTCOMES (SLOS)

After studying the subject course the learner will be able to –

1. Learn about hair shampooing procedure.
2. Learn about advanced hair cutting techniques.
3. Learn about various wet and thermal hair setting techniques.

CONTENTS

	P
1. Foundation of Hair Dressing:	10
1.1. Study of profile	
1.2. Hair analysis	
1.3. Kit for hair styling and cutting	
2. Hair Care	10
Home remedies	
2.1. for hair fall	
2.2. for dandruff	
2.3. for hair dryness	
3. Hair cutting and Shaping	20
3.1. Sectioning and Pattern making	
3.2. Guide lines for Hair-cut	
3.3. Preparing client for a hair cut	
3.4. Hair cuts	
3.4.1. Hair trimming	
3.4.2. Straight cut	
3.4.3. U cut	
3.4.4. Blunt cut	
3.4.5. Basic layer cut	
4. Hair Style with-	
4.1. Braids	
4.2. Rope	
4.3. puff	
4.4. Hair buns	
5. Head massage	17
5.1. Head massage	
5.2. Massage manipulation	
5.3. Hair Oiling	
5.4. Head Heena Application	

Note: The Essential Theory should be taught during the Practicals.

REFERENCES

- | | |
|-------------------------------------|-------------------|
| 1. Standard Textbook of Cosmetology | Milady staff. |
| 2. The Art of Modern Hair Styling | Anthony Collethi. |

BODY PERFECTION & YOGA-I LAB

Course Code	BC-1007
Course Title	Body Perfection & Yoga - I Lab
Number of Credits	3 (L-0 T-0, P-6)
Prerequisites	None

RATIONALE

The students seeking admission to the diploma of Beauty Culture must have knowledge of different kinds of exercises as these play an important part in maintaining a beautiful body and mind. This subject is demand of the day.

SUBJECT LEARNING OUTCOMES (SLOS)

After studying the subject the Learner will be able to-

1. Understand the basic of yoga and practice Yoga
2. Learn stretching exercise, improves posture and increases flexibility
3. Learn yoga techniques to reduce stress and to improve emotional regulation.
4. Learn aerobics techniques to boost up muscles which are required in today's life.

CONTENTS

1. Introduction to Yoga :	6
1.1. Advantages of Yoga	
1.2. Importance in Modern Living	
1.3. Definition of Asana	
1.4. Points to remember while doing Yogic Exercises.	
2. Light Yogic Exercise :	20
2.1. Methods and Benefits of Light Body Exercise (every part of body)	
3. Yogic Asana :	20
3.1. Padamasana	
3.2. Sarpasana	
3.3. Shalabhasana	
3.4. Dhanurasana	
3.5. Tarasana	
3.6. Mandukasana	
3.7. Pachimottanasana	
3.8. Pawanmuktasana	
3.9. Vajarasana	
3.10. Sukhasana	
4. Active Exercise: Aerobics	20
4.1. Introduction	
4.2. Exercise for different part of body with music	
4.3. Benefits	

Note : The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS

- | | |
|------------------------|----------------------------------|
| 1. YogasanVigyan | DhirenderBramchari |
| 2. Yogasan and Sadhana | Dr. Satyapal, Dr. Dholendes Agra |
| 3. YogDipika. | B.K.S. Ayyangar. |
| 4. PatanjaliYogPradeep | Swami UmanandThirth |

COMMUNICATION SKILL IN ENGLISH – I LAB

Course Code	BC-1008 (Common in All Branches of Non Engineering)
Course Title	Communication Skills in English - I Lab
Number of Credits	1(L-0 T-0, P-2)
Prerequisites	None

RATIONAL

For business purposes at every level of performance, language remains the most common and important means of communication. A diploma holder who wants to join an industry or organization needs to possess adequate knowledge and skills in language, its usage and presentation. Proficiency both in written and spoken language is required to be developed among the diploma holders.

Subject Learning Outcomes (SLOs)

The first year syllabus will develop among students the basic knowledge and skills related to syntax and semantics of English Language.

CONTENTS

We envisage two successive stages for attaining skills in communication ability;

1. Listening
2. Speaking

We can club them together as shown below.

- | | |
|---|----------|
| 1. Listening: | 7 |
| For improving listening skills, the following steps are recommended- | |
| 1.1. Listen to Pre-recorded Tapes | |
| 1.2. Reproduce vocally what has been heard | |
| 1.3. Reproduce in Written form | |
| 1.4. Summarise the text heard | |
| 1.5. Suggest Substitution of Words and Sentences | |
| 1.6. Answer Questions related to the taped text | |
| 1.7. Summarise in Writing | |
| 2. Speaking: | 7 |
| Introducing English consonant-sounds and vowel-sounds | |
| 2.1. Remedial exercises where necessary | |
| 2.2. Knowing Word stress, Shifting word stress in poly-syllabic words | |
| [For pronunciation practice read aloud a Para or page regularly while others monitor] | |
| 3. Body Language: | 8 |
| 3.1. Personal Appearance | |
| 3.2. Posture | |

- 3.3. Gestures and Hand Movements
- 3.4. Eye Contact
- 3.5. Facial Expressions

Note:

1. The Medium of teaching and examination will be English.
2. At least one question will be set from each unit.
3. No theory question will be set from syllabus of practical.

REFERENCE BOOKS

1. Intermediate English Grammar Raymond Murphy, Cambridge University Press
2. English Grammar, Usage & Composition Tickoo & Subramanian, Pub: S. Chand and Co.
3. A Practical Eng. Grammar (and its Exercise Books) Thomson and Martinet, Pub: ELBS
4. High School English Grammar and Composition Wren & Martin, Pub: S. Chand and Co.
5. ABC of Common Grammatical Errors Nigel D Turton, Macmillan India Ltd.
6. Soft Skills Dr. K. Alex Pub: S. Chand and Co.

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SEMESTER SCHEME 2020-21

COMPUTER APPLICATIONS-I LAB

Course Code	BC-1009 (Common in All Branches of Non Engineering)
Course Title	Computer Applications - I Lab
Number of Credits	1.5(L-0 T-0, P-3)
Prerequisites	None

RATIONALE

Use of Computer is increasing for precise and speedy work so it is useful to provide computer knowledge to the students. The course content is designed to give an overview and understand working of computer components and Operating System. The course also focuses on basic application Software for office automation.

SUBJECT LEARNING OUTCOMES (SLOS)

After studying the subject, the students will be able to appreciate the role of Computer Technology, more specifically computer hardware, software and its application in the present social and economic scenario.

PRACTICALS

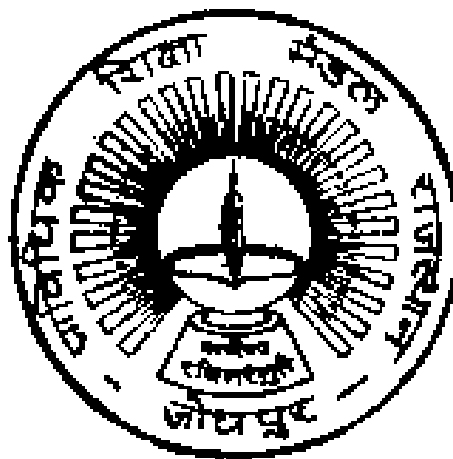
1. Overview of Parts of Computer, Practice of using My Computer, creating, deleting folders and shortcuts. **03**
2. Practice on Control Panel/ Installing/Uninstalling/ Adding Devices **03**
3. Exercise on Word Processing **09**
 - 3.1 Creating, Saving and Opening documents
 - 3.2 Editing Documents-Cut, Copy, Paste, Undo, Redo, Copying one document to other, Change Case, Go to
 - 3.3 Character and Paragraph Formatting, Numbering and Bullets
 - 3.4 Page Formatting, Header and Footer, Page Break, Watermark
 - 3.5 Spell Check, Find and Replace, Inserting Pictures and Clip-arts
 - 3.6 Working with Tables
 - 3.7 Mail-Merge.
4. Exercises on Spreadsheets: **09**
 - 4.1 Creating, Saving and Opening worksheet.
 - 4.2 Editing Worksheet.
 - 4.3 Formatting Cells- Font, Number Formats Alignment and Borders.
 - 4.4 Charts and Graphs.
 - 4.5 Sorting and Filtering.
5. Exercises on Presentation Package: **06**
 - 5.1 Creating, saving and Opening presentations
 - 5.2 Adding animation in slides
 - 5.3 Running a Slide Show
 - 5.4 Printing Slides and Handouts
6. Hands on Experience on usage of Mobile Phones **03**

REFERENCE BOOKS

- 1 Computer Fundamentals P.K. Sinha and P. Sinha,BPB publication.
2. Microsoft office for 2016 Amy Kinser,Pearson education.

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SEMESTER SCHEME-2020-21



II SEMESTER
(SESSION 2021-2022 & ONWARDS)

COMMUNICATION SKILLS IN ENGLISH - II

Course Code	BC-2001 (Common in All Branches of Non Engineering)
Course Title	Communication Skills in English - II
Number of Credits	1(L-1 T-0, P-0)
Prerequisites	None

RATIONAL

For business purposes at every level of performance, language remains the most common and important means of communication. A diploma holder who wants to join an industry or organization needs to possess adequate knowledge and skills in language, its usage and presentation. Proficiency both in written and spoken language is required to be developed among the diploma holders

SUBJECT LEARNING OUTCOMES (SLOS)

The first year syllabus will develop among students the basic knowledge and skills related to syntax and semantics of English Language.

CONTENTS

	L
1. Vocabulary Building :	5
1.1. Prefixes and Suffixes	
1.2. Synonyms and Antonyms	
1.3. One Word Substitution	
1.4. Words Often Confused	
1.5. Words Often Misspelt	
2. Sentence Building:	4
2.1. Types of Sentences and their Transformation -	
2.2. Interchange of Affirmative and Negative sentences	
2.3. Interchange of Interrogative and Assertive sentences	
2.4. Interchange of Exclamatory and Assertive sentences	
3. Composition:	2
3.1. Unseen Passage, Précis Writing	
4. Essay Writing:	2
4.1. Essays on general topics and topics related to environmental problems.	

REFERENCE BOOKS

- Intermediate English Grammar Raymond Murphy, Cambridge University Press
- English Grammar, Usage & Composition Tickoo & Subramanian, Pub: S. Chand and Co.
- A Practical Eng. Grammar (and its Exercise Books) Thomson and Martinet, Pub: ELBS
- High School English Grammar and Composition Wren & Martin, Pub: S. Chand and Co.
- ABC of Common Grammatical Errors Nigel D Turton, Macmillan India Ltd.
- Soft Skills Dr. K. Alex, Pub: S. Chand and Co.

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COMPUTER APPLICATIONS-II

Course Code	BC-2002 (Common in All Branches of Non Engineering)
Course Title	Computer Applications - II
Number of Credits	2(L-2, T-0, P-0)
Prerequisites	None

RATIONALE

Use of Computer is increasing for precise and speedy work so it is useful to provide computer knowledge to the students. The course provides knowledge of internet, email, web browsing and E-commerce. It also gives overview of Cyber Security and Information technology Act.

SUBJECT LEARNING OUTCOMES (SLOS)

The student will be able to understand the concept of Networks, internet and importance of Cyber security in the present time.

- | | |
|--|----------|
| 1. Computer Network | 5 |
| 1.1 Need of networks | |
| 1.2 Data Transmission Media: Twisted pair, Coaxial, Optical Fiber | |
| 1.3 Types of Network-LAN, WAN, MAN | |
| 1.4 Topologies of LAN - Ring, Bus, Star, Mesh and Tree | |
| 1.5 Digital and Analog Transmission | |
| 1.6 Modem - Working and characteristics | |
| 2. Internet | 8 |
| 2.1 Introduction to Internet, Intranet, World Wide Web. | |
| 2.2 Internet Service Provider. | |
| 2.3 URL | |
| 2.4 Web Browser and its functions, Web Page, Search Engines | |
| 2.5 Protocol: Basic of http, https, FTP, SMTP, POP | |
| 2.6 Basic of E-mail: | |
| 2.7 E-mail Service Provider | |
| 2.8 Composing E-mail | |
| 2.9 Mailing List | |
| 2.10 Creating Label | |
| 2.11 Signature | |
| 2.12 Spam | |
| 3. E-Commerce and Cyber Security | 9 |
| 3.1 Introduction to E-Commerce | |
| 3.2 Type of E-Commerce | |
| 3.3 Advantages and Disadvantages of E-Commerce | |
| 3.4 Payment Gateways | |
| 3.5 Introduction to different types of Cyber Attacks: Phishing, Ransomware, SQL Injection, Web Jacking, Trojan Attacks, Denial of Service, Cyber Stalking, Password Cracking, Hacking, E mail Spoofing | |
| 3.6 Cyber laws in India: Introduction to IT (Information Technology) Act'2000 | |
| 3.7 Definition of Virus, Malware, Scanning & Removing Virus using Antivirus Program | |
| 4. Multimedia | 4 |
| 4.1 What is Multimedia? | |

- 4.2 Text and Graphics.
- 4.3 Animation, Audio, Images and Video.
- 4.4 Multimedia Application in Education and Entertainments.

REFERENCE BOOKS

1. Computer Fundamentals P.K. Sinha and P. Sinha, BPB publication.
2. Data Communications and Networking Forouzan TMH
3. Internet for Everyone Alexis Leon & Mathews Leon,
Vikas Publishing House, New Delhi.

SEMESTER SCHEME 2020-21

ANATOMY AND PHYSIOLOGY

Course Code	BC-2003
Course Title	Anatomy and Physiology
Number of Credits	3(L-2 T-1, P-0)
Prerequisites	None

RATIONALE

The students seeking admission to the Beauty Culture diploma course must have knowledge of Anatomy and Physiology of human body because most of the subjects in this diploma require such background knowledge.

SUBJECT LEARNING OUTCOMES (SLOS)

After studying the subject the learner will be able to-

1. Understand various human body systems, and their functions
2. Understand need and importance of anatomy and physiology in reference of beauty field
3. Easily understand many skin and hair treatment procedure
4. To know and overcome about the myths of skin and hair developing impressive skill

CONTENTS

	L	T
1. Introduction to Anatomy and Physiology	3	1
1.1. Definition of anatomy ,physiology, cell, tissue, organs, system		
1.2. Basic Cell structure and functions only		
2. Elementary knowledge of following systems and their function	4	4
2.1. Digestive system		
2.2. Circulatory system		
2.3. Female Reproductive System		
2.4. Excretory system		
3. Anatomy and Physiology of following systems	5	2
3.1. Respiratory system		
3.2. Lymphatic system		
4. Structure and functions of cutaneous system	4	2
4.1. Skin		
4.2. Hair		
4.3. Nail		
5. Study of following systems	10	4
5.1. Endocrine system		
5.1.1. Elementary knowledge of endocrine glands		
5.1.2. Hormonal secretions and effects on body		
5.2. Muscular System		
5.2.1. Name position and functions of muscles		
5.3. Skeletal system		
5.3.1. Names of bone, position and functions		
5.4. Motor nerve points of face		

REFERENCE BOOKS

1. Sharir Aur Sharir Kriya Vigyan Evelyn Pearce
2. Sharir Kriya Vigyan Dr. Pramila Verma, Dr. Kanti Pandey

3. Manavsharir or kriyavighyan
4. Manavsharir or kriyavighyan

Dr. Vrinda Singh
Abrar Ahmed, ShadabAalam

SEMESTER SCHEME 2020-21

NATURAL COSMETOLOGY

Course Code	BC-2004
Course Title	Natural Cosmetology
Number of Credits	2(L-1 T-1, P-0)
Prerequisites	None

RATIONALE

The students seeking admission to the diploma of Beauty Culture must have knowledge of natural things, which can help in cultivating beauty. To gain and preserve beauty has been a natural wish of every human being, since the beginning of beauty; people have learned how to use a wide variety of preparation to beautify body.

SUBJECT LEARNING OUTCOMES (SLOS)

After studying the subject the Learner will be able to-

1. Understand the importance of eco-friendly natural ingredients
2. Learn about natural homemade beauty products which are required in today's scenario.
3. Learn to design customize natural homemade beauty products to address specific skin problems such as acne, allergy etc.

CONTENTS

1. Cosmetics	3	3
1.1 Natural Cosmetics, Their Need and Importance		
1.2 Difference between natural and chemical cosmetics		
2. Composition and Functions of following for Skin	4	4
2.1 Astringent		
2.2 Cleanser		
2.3 Toner		
2.4 Make up Remover		
2.5 Lip balm		
2.6 Waxes		
2.7 Body Massage Oil		
2.8 Face Scrub		
3. Composition and Function of different types of Face Packs	3	3 -
3.1 For Oily Skin		
3.2 For Dry Skin		
3.3 For Normal Skin		
3.4 For Acne and pigmentation Skin		
4. Composition and function of following for Hair	3	3 -
4.1 Hair Packs		
4.2 Herbal Hair OIL		
4.3 Herbal Shampoo		
4.4 Natural Tint		
4.5 Homemade Conditioner		

REFERENCE BOOKS

1. The Handbook of Natural Beauty Castleton, Virginia, Publisher : PG Pub Pvt. Ltd.

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BEAUTY THERAPY – II LAB

Course Code	BC-2005
Course Title	Beauty Therapy - II Lab
Number of Credits	3.5(L-0 T-0, P-7)
Prerequisites	None

RATIONALE

The students seeking admission to the diploma of Beauty Culture must be well versed with knowledge and practical of Beauty Therapy as this particular subject gives maximum standing for professionalism in this field.

SUBJECT LEARNING OUTCOMES (SLOS)

After studying the subject the Learner will be able to-

1. Uses of make-up cosmetic for different scenario.
2. Give body relaxation by body massage and communicate clearly and effectively in professional manner with client.
3. Apply bunch of amazing nail art technique with a variety of materials and establish all the skills need to be a smart and successful nail artist.
4. Apply Different culture mehendi and develop self employment skills

CONTENTS

1. Make up	30
Introduction, Cosmetic knowledge, Procedure, benefits, precautions	
1.1 Facial make up technique	
1.2 Preparation	
1.3 Implements and material used	
1.4 Different types of make up	
1.4.1 Day make up	
1.4.2 Evening make up	
1.4.3 Party make up	
1.5 make up removing technique	
2. Body massage	15
Introduction, Cosmetic knowledge, Procedure, benefits, precautions	
2.1 Body massage manipulations with pressure points	
2.2 Effect of each manipulation	
2.3 Use of Vibro massager	
3. NailArt	30
Introduction, Cosmetic knowledge, Procedure, benefits, precautions	
3.1 Different types of nail art	
3.1.1 Painting with a brush	
3.1.2 Stencil method	
3.1.3 Dots and stickers	
3.1.4 Water marble technique	
3.1.5 Acrylic nail art	
3.1.6 Nail enamel application	
3.1.7 Different kinds of additions on nail	
3.1.8 Gel polish application and removal	
3.1.9 Gel and acrylic extenstions	
4. Mehendi Introduction, Cosmetic knowledge, Procedure, benefits, precautions	16
4.1 Different types of mehendi designs	

- 4.1.1 Arabic mehandi
- 4.1.2 Bombay style
- 4.1.3 Rajasthani
- 4.1.4 Shekhawati

Note :The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS

- | | |
|---|---------------|
| 1. Standard Text Book of Cosmetology | Milady staff |
| 2. Principles and Practice of Beauty Culture | Florence wall |
| 3. Manual for Skin Care, Cosmetics application and Corrective Make-up | Madame Korner |
| 4. Beauty Specialist | Ann Gallant |

SEMESTER SCHEME 2020-21

HAIR DRESSING – II LAB

Course Code	BC-2006
Course Title	Hair Dressing - II Lab
Number of Credits	3.5(L-0 T-0, P-7)
Prerequisites	None

RATIONALE

The students seeking admission to the diploma of Beauty Culture must be well versed with knowledge and practical of hair dressing because hair designing in an important aspect of external beauty. Since ages, crowning glory is the subject of admiration.

CONTENTS**SUBJECT LEARNING OUTCOMES (SLOS)**

After studying the subject the Learner will be able to-

1. Learn about hair shampooing procedure.
2. Learn about advanced hair cutting techniques.
3. Learn about various wet and thermal hair setting techniques.

1. Hair care and shampooing:	11
1.1. Hair products knowledge of different brands	
1.2. Shampooing, conditioning, rinsing & use of serum	
1.3. Types of shampoo, conditioner, rinse & serum	
2. Hair cutting and Shaping	20
2.1. Cutting technique	
2.2. Multi-layer cut	
2.3. Feather cut	
2.4. Reverse graduations	
2.5. Removing split ends	
3. Hair Styling	20
3.1. Products knowledge	
3.2. Description of different types of hair styles	
3.2.1. Messy	
3.2.2. Hair style by buns	
3.2.3. Retro hair styles	
3.2.4. 3D hair styles	
3.2.5. Front Styles	
4. Wet hair styling	20
4.1. Product knowledge	
4.2. Roller setting	
4.2.1. On base	
4.2.2. Half base	
4.2.3. Off base	
4.2.4. Ringlet	
4.2.5. Spiral	
4.2.6. Velcro rollers	
4.3. Pin curls	
4.4. Finger weaving	
4.5. Scrunching	
4.6. Comb out techniques	
4.6.1. Back combing & smoothing	
5. Thermal Hair Styling	20
5.1. Types of thermal machines	

5.2. Blow drying (In & out, soft & hard)

5.3. Hair pressing (straight & curl)

5.4. Curling iron (soft & hard)

5.5. Hot rollers (diameter)

5.6. Crimper (designs)

Note: The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS

- 1 Standard Textbook of Cosmetology Milady staff.
- 2 The Art of Modern Hair Styling Anthony Collethi.

SEMESTER SCHEME 2020-21

BODY PERFECTION & YOGA –II LAB

Course Code	BC-2007
Course Title	Body Perfection & Yoga - II Lab
Number of Credits	3 (L-0 T-0, P-6)
Prerequisites	None

RATIONALE

The students seeking admission to the diploma of Beauty Culture must have knowledge of different kinds of exercises as this play an important part in maintaining a beautiful body and mind. This subject is demand of the day.

SUBJECT LEARNING OUTCOMES (SLOS)

After studying the subject the Learner will be able to-

1. Understand the effectiveness of yoga in enhancing emotional well-being and resilienceto stress among society
2. Learn harmony between mind and body
3. Learn Pranayama, a breathing exercise, which is the art of building up and storing our life force energy
4. Learn techniques for Zumba the cardiovascular efficiency,
5. Helps in uniting individual spirit with universal spirit.

CONTENTS

1. Yogic Asana	20
1.1. Makarasana	
1.2. Ustrasana	
1.3. Halasana	
1.4. Uttanpadasana	
1.5. Vrakshasana	
1.6. Shavasana	
1.7. Shasankasana	
1.8. Katichakrasana	
1.9. Parvatasana	
1.10. Titliasana	
2. Ashtang Yoga:	30
2.1. Shatkarana	
2.2. Pranayam	
2.3. Mudras	
3. Navel Displacement	6
3.1. Testing the displaced navel	
3.2. Asanas to correct displaced navel	
4. Active Exercise: Zumba	22
4.1. Introduction	
4.2. Exercise for different part of body with music	
4.3. Benefits	

Note : The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS

1. YogasanVigyanDhirenderBramchari
2. Yogasan and Sadhana Dr. Satyapal, Dr. Dholendes Agra
3. YogDipika. B.K.S. Ayengar.
4. PatanjaliYogPradeep Swami UmanandThirth

COMMUNICATION SKILLS IN ENGLISH II-LAB

Course Code	BC-2008 (Common in All Branches of Non Engineering)
Course Title	Communication Skills in English - II Lab
Number of Credits	1(L-0 T-0, P-2)
Prerequisites	None

RATIONAL

For business purposes at every level of performance, language remains the most common and important means of communication. A diploma holder who wants to join an industry or organization needs to possess adequate knowledge and skills in language, its usage and presentation. Proficiency both in written and spoken language is required to be developed among the diploma holders

SUBJECT LEARNING OUTCOMES (SLOS)

The first year syllabus will develop among students the basic knowledge and skills related to syntax and semantics of English Language.

CONTENTS

	P
1. Delivering Short Discourses :	8
1.1. About Oneself	
1.2. Describing a Place, Person, an Object	
1.3. Describing a Picture, Photo	
2. Group Discussion :	8
2.1. Developing skills to initiate a discussion [How to open]	
2.2. Snatching initiative from others [Watch for weak points, etc.]	
3. Interview Skills:	10
3.1. Desirable Qualities	
3.2. Preparation –	
3.2.1. Know the Company	
3.2.2. Know Yourself	
3.2.3. Review Common Interview Questions	
3.2.4. Prepare Questions You Want to Ask the Interviewer	
3.3. Using Proper Verbal and Non-Verbal Cues	
3.4. Exhibiting Confidence	
3.5. Tips for Success	

Note:

1. The Medium of teaching and examination will be English.
2. At least one question will be set from each unit.
3. No theory question will be set from syllabus of practicals.

REFERENCE BOOKS

- | | |
|--|---|
| 7. Intermediate English Grammar | Raymond Murphy, Cambridge University Press |
| 8. English Grammar, Usage & Composition | Tickoo & Subramanian, Pub: S. Chand and Co. |
| 9. A Practical Eng. Grammar (and its Exercise Books) | Thomson and Martinet, Pub: ELBS |
| 10. High School English Grammar and Composition | Wren & Martin, Pub: S. Chand and Co. |
| 11. ABC of Common Grammatical Errors | Nigel D Turton, Macmillan India Ltd. |
| 12. Soft Skills | Dr. K. Alex, Pub: S. Chand and Co. |

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COMPUTER APPLICATIONS-II LAB

Course Code	BC-2009 (Common in All Branches of Non Engineering)
Course Title	Computer Applications - II Lab
Number of Credits	1.5(L-0 T-0, P-3)
Prerequisites	None

RATIONALE

Use of Computer is increasing for precise and speedy work so it is useful to provide computer knowledge to the students. The course provides knowledge of internet, email, web browsing and E-commerce. It also gives overview of Cyber Security and Information technology Act.

The student will be able to understand the concept of Networks, internet and importance of Cyber security in the present time.

SUBJECT LEARNING OUTCOMES (SLOS)

The student will be able to understand the concept of Networks, internet and importance of Cyber security in the present time.

CONTENTS**P**

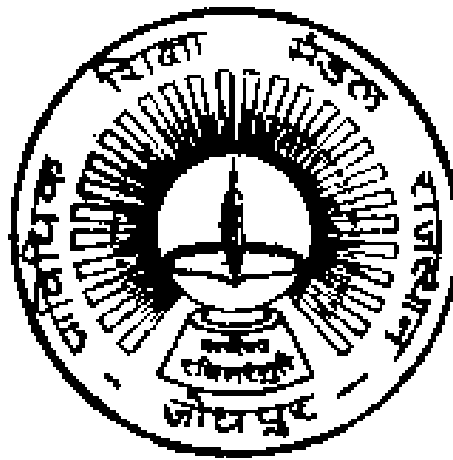
1. Study of different types of Networks and Network Topologies.	3
2. Visit to different Internet Sites.	3
3. Content Searching using Search Engines.	3
4. Downloading and uploading on Websites	3
5. Creating E-mail accounts, Composing and Sending E-mail.	3
6. Sending E-mail with attachments and signature.	3
7. Updating E-mail setting	3
8. Hands on Experience on Different types of E-commerce Websites	3
9. Exercise on Online shopping showing use of payment gateways	3
10. Identifying Cyber Attacks	6
11. Multimedia Applications	6

REFERENCE BOOKS

- | | |
|---------------------------------------|---|
| 1. Computer Fundamentals | P.K. Sinha and P. Sinha, BPB publication. |
| 2. Data Communications and Networking | Forouzan TMH |
| 3. Internet for Everyone | Alexis Leon & Mathews Leon,
Vikas Publishing House, New Delhi. |

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SEMESTER SCHEME-2020-21



III SEMESTER
(SESSION 2021-2022 & ONWARDS)

ENVIRONMENTAL STUDIES-I

Course Code	BC-3001 (Common in All Branches of Non Engineering)
Course Title	Environmental Studies-I
Number of Credits	2(L-2 T-0, P-0)
Prerequisites	None

Course Objectives

Environmental study is a subject as per directions of Supreme Court / Govt. of India. Under Act. 51 A (g) of our constitution it is our fundamental duty to protect our environment.

A diploma holder must have knowledge of different types of pollution so that she may help in balancing the eco system and controlling pollution by pollution control measures. She should also be aware of environmental laws related to the control of pollution.

Course Outcomes

After completing the course the Learner will

- Understand the importance of Environmental cleanliness
- Gain knowledge about the causes of Water and Air pollution ,their effects and methods to check the same.
- Have the knowledge of different types of solid waste and their management techniques.

COURSE CONTENTS

1. General :	L
	3
1.1 Biotic and abiotic environment.	
1.2 Adverse effects of Environmental Pollution	
1.3 Control strategies	
2. Water Pollution :	7
2.1 Water Quality Standards	
2.2 Surface and underground water sources	
2.3 Impurities in water and their removal	
2.4 Adverse effects of domestic waste water and industrial effluent to surface water sources	
2.5 Self purification of streams	
3. Air Pollution :	7
3.1 Sources of air contaminants	
3.2 Adverse effects on human health	
3.3 Measures to check air pollution	
3.4 Greenhouse effect	
3.5 Global warming	
3.6 Acid rain	
3.7 Ozone depletion	
4. Solid Waste Management :	7
4.1 Introduction to solid waste	
4.2 Its collection and disposal	
4.3 Recovery of resources	
4.4 Sanitary land-filling	
4.5 Vermi-composting	
4.6 Hazardous waste management	

REFERENCE BOOKS :

1. Patyavaran Shiksha & Dr. V.K. Vijay Dr. A.N. Mathur, Dr. N.S. Rathore
2. Patyavaran Adhyayan Dr. B.C. Jat Dr. Ram Kumar Gujar
3. Patyavaran Avabodh Dr. D.D. Ojha
4. Environmental chemistry and pollution control : S.S. Dora
5. Ecology concepts and application : Manuel C. Muller
6. Environmental protection Emil T. Chanlett
7. Environmental science Cumingham. Saigo
8. Solid waste management : C.I.. Mantell
9. पर्यावरण विनाश के कगार पर राजीव गुप्ता
11. पर्यावरण जीवों का आंगन प्रेमानन्द चंदोला
12. पर्यावरण (त्रैमासिक) पर्यावरण एवं वन मंत्रालय, नई दिल्ली
13. Panda, New letter WWF-India, New Delhi

SEMESTER SCHEME-2020

COSMETIC SCIENCE - I

Course Code	BC-3002
Course Title	Cosmetic Science - I
Number of Credits	5 (L-5, T-0, P-0)
Prerequisites	None

Course Objective

The students seeking admission to the diploma of Beauty Culture must be well versed with knowledge of cosmetic science because study of cosmetic science provide opportunities to have a career in this fast growing industry in the area of product development & research or to become an entrepreneur in the field.

Course Outcomes

After completing the course the Learner will

- Understand the role of raw ingredients in cosmetics.
- Gain knowledge about the benefits of cosmetics has on skin and hair.
- Attain multidisciplinary scientific knowledge to gain expertise in the field and to respond the industry challenges effectively.

Course Contents

	L
1. Cosmetics:	17
1.1 Cosmetics – Definition, classification, Raw materials	
1.2 Introduction to organic solvents, colors perfume and preservatives used in cosmetics making.	
1.3 Study of equipments used in cosmetics making.	
2. Creams & lotions	20
2.1 Introduction composition and function of the following types of cream and lotions	
2.1.1 Cold cream (winter)	
2.1.2 Vitamin cream	
2.1.3 Vanishing cream	
2.1.4 Bleaching cream	
2.1.5 Anti wrinkle cream	
2.1.6 under eye cream	
2.1.7 Clinging lotion	
2.1.8 Moisturizing lotion	
2.1.9 Lacto Calamine lotion	
3. Nail Enamels	7
3.1 Introduction	
3.2 Composition and function of polishes	
3.3 Nail polish remover	
3.4 Cuticle Cream	
4. Skin Toning Agents	14
4.1 Skin toning Agents	
4.1.1 Skin fresheners	
4.1.2 Astringent Lotions	
4.1.3 Face Serum	
4.2 Facial specialized/Introduction composition and function of their ingredients	
4.2.1 Types of makes	
5. Introduction composition and function of the following:	7
5.1 Cosmetic deodorants	
5.2 Antiperspirants	

REFERENCE BOOKS:

1. Cosmetic Science -- Balson and sagarin , wiley Technology(vol.1 & 11) inter scienc
2. Perfume, soaps and cosmetics,roopnagar delhi, hindi ---A.K Gupta small scale industries
3. A Text book of applied chemistry for home science and applied science ltd.—the macmillan com.of india
4. A text book of applied chemistry---- P.S & manrao , m.r kalyani pub. New delhi
5. Modern cosmetics corporation, Bombay--- thomssen E. O,universal pub.

SEMESTER SCHEME-2020-21

ENTREPRENEURSHIP

Course Code	BC-3003
Course Title	ENTREPRENEURSHIP
Number of Credits	5 (L-3, T-2, P-0)
Prerequisites	None

Course Objective

This subject provides the basic knowledge such as the introduction, concept, theory, perspective and behavioral aspects of entrepreneurship.

Course Outcomes

During and after completion of this subject the learner will come across many benefits and conveniences such as:

- Able to differentiate between Entrepreneur & Entrepreneurship
- Able to detect, identify and create the business opportunities and portfolios.
- Explore the qualities of an entrepreneur such as leadership, initiative, intuition, entrepreneurial traits, and new technologies as career options and how to organize, operate, and assume the risk of a business venture, culture & various intangible factors.
- Come across the exchange relationship, practical administration and management control.

course Contents	L	T
1. Entrepreneurship:	9	6
1.1 Definition of Entrepreneur, Entrepreneurship and Industry		
1.2 Essential characteristics of a Good Entrepreneur		
1.3 Need and Scope of Entrepreneurship		
1.4 Classification of Industries		
1.4.1 Tiny		
1.4.2 Small Scale		
1.4.3 Medium Scale		
1.4.4 Large Scale		
1.4.5 Handicraft		
1.4.6 Ancillary		
1.5 Types of Industries –		
1.5.1 Production		
1.5.2 Job Based		
1.5.3 Service		
2. Entrepreneurship Support System:	9	6
2.1 Role of District Industries Centre and Directorate of Industries		
2.2 Facilities of women Entrepreneurship		
2.3 Role of following organisation		
2.3.1 State Trading Corporation (STC)		
2.3.2 Commercial Banks		
2.3.3 State Financial Corporation (SFC)		
2.3.4 State Electricity Board		
2.3.5 Pollution Control Board		
2.3.6 Bureau of Indian Standards		
2.3.7 Small industries development organisation (SIDO)		
2.3.8 Khadi and village industries commission (KVIC)		
3. Entrepreneurial Development :	8	6
3.1 Product Identification		

3.2 Elements of Market Survey Need of Pre-market Survey		
3.3 Site Selection		
3.4 Plant Lay-Out		
3.5 Project File		
3.6 Need for a Planned and Coordinated Efforts		
3.7 Follow-up		
4. Essentials of a Good Business Organization :	7	4
4.1 Types of ownership		
4.2 Branding, packaging and pricing		
4.3 Marketing of Cosmetics		
4.4 Sales Promotion		
4.5 Advertisement ,Midea and effectiveness		
4.6 After sale service		
5 Financial Management :	6	4
5.1 Sources of finance		
5.2 Brief idea of		
5.2.1 Cash and credit		
5.2.2 Cheques		
5.2.3 Drafts		
5.2.4 Bill of exchanges		
5.2.5 Promissory note		

REFERENCE BOOKS:

1. Project planning and Entrepreneurship T.R. Banga
2. Hand book on Entrepreneurship O.P.Harkut& G.P. Vaishnav

COSMETOLOGY

Course Code	BC-3004
Course Title	COSMETOLOGY
Number of Credits	5(L-3, T-2, P-0)
Prerequisites	None

Course Objective

This subject would be beneficial to beauty culture students for learning more about hair science and hair care technology.

Course Outcome

After completing the course the Learner will be able to:

- Understand the chemistry of active ingredients products.
- Understand the effects and safe use of active ingredients products.
- Identify the principles of colour theory as it relates to hair colour.
- Explain level and tone and their role in formulating hair colour.
- Learn science behind chemical processing on hair.
- Understand disorder and diseases of hair.

Course Contents

	L	T
1. Study the following :	8	6
1.1 Texture of Hair		
1.2 Importance of PH in texture		
1.3 Basic building blocks / bonds in hair.		
1.4 Porosity		
1.5 Elasticity		
1.6 The types of permanent waves		
1.7 The chemistry of perming		
1.8 Permanent waving (thio) neutralization		
1.9 The chemistry of hair straightening & hair rebonding		
2. Colour Theory	8	6
2.1 Natural hair colour		
2.2 The level System / Depth		
2.3 Tone and undertones		
2.4 Decolorization		
2.5 The Basics of Hair Coloring Products and The Law of Color		
2.5.1 Primary, Secondary, complementary and Neutralizing colour		
2.5.2 Using a colour wheel		
2.6 Classification of Hair Colour		
2.6.1 Oxidative - permanent and demi permanent colour		
2.6.2 Non oxidative Temporary and semi-permanent colour		
3 Body Massage :	10	8
3.1 Brief knowledge of Different types of massage:		
3.1.1 Swedish Massage		
3.1.2 Hot stone massage		
3.1.3 Deep tissue massage		
3.1.4 Reflexology		

3.1.5 Shiatsu massage

3.1.6 Thai massage

- | | | |
|--|----------|----------|
| 4 Aromatherapy : | 8 | 4 |
| 4.1 Introduction of aromatherapy | | |
| 4.2 Essential oils and carrier oils | | |
| 4.3 Properties of essentials oils | | |
| 4.4 Classification of Essential oils | | |
| 4.5 Blending of oils | | |
|
 | | |
| 5 Brief knowledge of advance facial skin care techniques: | 5 | 2 |
| 5.1 Light therapy | | |
| 5.2 Chemical peel | | |
| 5.3 Laser skin resurfacing | | |
| 5.4 Microdermabrasion | | |
| 5.5 Name and introduction of different cosmetic surgery for skin | | |

REFERENCE BOOKS :

- | | |
|---|--|
| 1. The Prentice Hall Text Book of Cosmetology | Oline P. Scott., Mary G. Callahan. et al |
| 2. Milady's Standard | Milady Staff |
| 3. Textbook of Cosmetology | Milady Staff |

BEAUTY THERAPY--III LAB

Course Code	BC-3005
Course Title	BEAUTY THERAPY--III LAB
Number of Credits	2.0(L-0, T-0, P-4)
Prerequisites	None

Course Objective

The students seeking admission to the diploma of Beauty Culture must have knowledge of make-up on different skin types, latest facials techniques to maintain skin health to develop their employment skill.

Course Outcomes

After completing the course the learner will be able to:

- Learn the basic concepts of clinical treatment of different skin with the use of various beauty gadgets
- Explain the importance of color wheel in the makeup
- Carry out different types of corrective makeup and contouring with optical illusion

Course Contents

- 1. Facial Treatment:** Introduction, Cosmetic knowledge, Procedure, follow-up routine. benefits, precautions **20**
 - 1.1 Facials according to skin types and different skin problems with and without beauty gadgets.
 - 1.1.1 For Normal skin
 - 1.1.2 For dry skin
 - 1.1.3 For ageing skin
 - 1.1.4 For sensitive skin
 - 1.1.5 For pigmented skin
 - 1.2 Aroma therapy facial
 - 1.3 Applying different types of Masks and Packs:
 - 1.3.1 Thermoherb
 - 1.3.2 Hot oil
 - 1.3.3 Paraffin
 - 1.3.4 Peel off
 - 1.3.5 Rubber Mask
 - 1.3.6 Herbal masks and pack
 - 1.4 Pre bridal preparations
 - 1.5 Quick treatment of skin before make-up
- 2. Make-up:** Introduction, Tool and Cosmetic knowledge, Procedure, benefits, precautions. **25**
 - 2.1 Different types of face shapes
 - 2.2 Corrective makeup according to Facial features
 - 2.2.1 Contouring and highlighting
 - 2.2.2 Nose Makeup
 - 2.2.3 Eye Makeup
 - 2.2.4 Lip Makeup
 - 2.3 Different types of Make-ups
 - 2.3.1 Stage Make-up
 - 2.3.2 Bridal Makeup
 - 2.3.3 Photographic makeup
- 3. Electrical Gadgets** -Introduction, working mechanism, Procedure, benefits, precautions. **7**

- 3.1 High frequency unit
- 3.2 Brushing unit
- 3.3 Microdermabrasion
- 3.4 Steamer or Vaporizer
- 3.5 Galvanic Unit
- 3.6 Infra Red lamps
- 3.7 Ultra Sonic Unit
- 3.8 Vacuum Suction
- 3.9 Non-surgical micro bio Face lifting

Note: The Essential Theory should be taught during the Practical's.

REFERENCE BOOKS:

- | | |
|---|------------------|
| 1. Standard Text Book of Cosmetology | Milady staff |
| 2. Principles and Practice of Beauty Culture | Florence wall |
| 3. Manual for Skin Care, Cosmetics application and Corrective Make-up | Madame Korner |
| 4. Beauty Specialist | Ann Gallant |
| 5. The illustrated guide to Massage and aroma therapy | Catherine stuart |

SEMESTER SCHEME-2020/21

HAIR DRESSING - III LAB

Course Code	BC-3006
Course Title	HAIR DRESSING - III LAB
Number of Credits	1.5 (L-0, T-0, P-3)
Prerequisites	None

Course Objective

The student seeking admission to the Diploma of Beauty Culture must be well versed with the permanent hair techniques such as waving and straightening and latest hair do's as hair dressing is an important aspect of external beauty.

Course Outcomes

After completing the course the learner will be able to –

1. Learn about various hair setting techniques.
2. Learn about different hair treatment.
3. Learn about permanent hair waving and Straightening:
4. Learn about advanced hair cutting techniques.

Course Contents

- | | |
|---|-----------|
| 1. Hair Styles | 25 |
| 1.1 Advance Hair Styles | |
| 1.2 Different Types of hair dressing by means of Hairpiece. | |
| 1.3 Techniques for international hair style-10 basic styles | |
| 1.4 Balancing | |
| 2. Scalp Treatments | 20 |
| 2.1 Treatment for Oily Hair, Dry Hair, Falling Hair Split ends, Premature Grey and dandruff | |
| 2.2 Use of High Frequency in scalp treatment, working mechanism, Procedure. Benefits and Precautions. | |
| 2.3 Use of Light Therapy in scalp treatment, working mechanism, Procedure, benefits and Precautions. | |
| 2.4 Use of Steamer in scalp treatment, working mechanism, Procedure, benefits and Precautions. | |
| 3. Permanent Waving and Straightening: Introduction, procedure, precaution and benefits | 20 |
| 3.1 Different types of permanent Waving and Curling | |
| 3.1.1 Sectioning Patterns | |
| 3.1.2 Chemical Waving Materials | |
| 3.1.3 Reconstruction Permanent | |
| 3.2 Hair Straightening | |
| 3.2.1 Knowledge of products | |
| 3.2.2 Procedure and precaution | |
| 3.2.3 Rebonding\ Smoothning | |
| 3.3 Keratin treatment | |
| 3.4 Cystine treatment | |
| 4. Advance Hair Cutting | 13 |
| Note: The Essential Theory should be taught during the Practical's. | |

REFERENCE BOOKS:

- | | |
|---|---|
| 1. The Prentice Hall Text Book of Cosmetology | Oline P. Scott, Mary G. Callahan. et al |
| 2. Milady's Standard | Milady Staff |
| 3. Textbook of Cosmetology | Milady Staff |

BODY PERFECTION AND YOGA – III LAB

Course Code	BC-3007
Course Title	BODY PERFECTION AND YOGA – III LAB
Number of Credits	1.5 (L-0, T-0, P-3)
Prerequisites	None

Course Objective

The student seeking admission to the Diploma of Beauty Culture must have knowledge of different fitness exercises, health club equipments and meditation to maintain the health.

Course Outcomes

After completing the course the Learner will be able to:

- Understand the basic of yoga and practice Yoga
- Learn stretching exercise, improves posture and increases flexibility
- Learn aerobics techniques to boost up muscles which are required in today's life.

Course Contents

1.1 Treatment Planning- Treatment for body perfection, disease and disorders and their cure by yoga.	P 8
1.2 Diabetes	
1.3 Thyroid	
1.4 Polycystic Ovarian Syndrome disease	
1.5 Hypertension	
2. Electrical equipments and gadgets–	11
2.1 Introduction, working principles benefits, precautions	
3 Exercise for Body Perfection:	10
3.1 Introduction	
3.2 Daily exercise routine	
3.3 Weight loss exercises	
3.4 Weight Gain exercises	
3.5 Cellulite reduction exercises	
4 Aasanas for nurturing the body: Benefits and method	10
4.1 Ardhakatichkarasana	
4.2 Vipritkarni asana	
4.3 Markatasana	
4.4 Padhsatasana	
4.5 Trikonasana	
4.6 Suptvajasana	
4.7 Setubandha asana	
4.8 Balasana	
4.9 Navasana	
4.10 Titali asana	

Note: The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS :

- | | |
|--|--------------------------------|
| 1. YogSadhanaAvamYog ChikitsaRahasya | Swami RamdevjiMaharaj |
| 2. PranayamRahasya | Swami RamdevjiMaharaj |
| 3. DivyaYogSadhana (Asan – Pranayam) V.C.D. Part 1-2 | Swami RamdevjiMaharaj |
| 4. YogSandesh(Monthly Magazine) | Swami RamdevjiMaharaj |
| 5. YogasanandSadhana | Dr.Satyapal, Dr. D. D. Agarwal |
| 6. Yog | VivekanandKendra , Delhi |
| 7. YogDipeeka | B.K. Sayangar, Ort. |
| 8. Yog dwara rogo ki chikitsa | Dr. Phool genda singh |

COSMETIC SCIENCE – I LAB

Course Code	BC-3008
Course Title	COSMETIC SCIENCE – I LAB
Number of Credits	1.0 (L-0, T-0, P-2)
Prerequisites	None

Course Objective

The students seeking admission to the diploma of Beauty Culture must be well versed with practical of cosmetic making to provide opportunities to have a career in this fast growing industry in the area of product development, quality assurance and manufacturing to become an entrepreneur in the field.

Course Outcomes

After completing the course the Learner will

- Obtain practical experience of making skin care cosmetic with own hands.
- Know trade and formula secrets for cosmetic entrepreneur.

Course Contents

	P
1. Prepare Cold Cream	2
2. Prepare Vitaminized Cream	2
3. Prepare Vanishing Cream	2
4. Prepare Bleaching Cream	2
5. Prepare Anti wrinkle Cream	2
6. Prepare Under Eye Cream & Cuticle Cream	2
7. Prepare Cleansing Lotion	2
8. Prepare Moisturizing Lotion	2
9. Prepare lacto Calamine Lotion	2
10. Prepare Nail Polish & Nail Polish Remover	2
11. Prepare Skin Fresheners, Astringent lotion	1
12. Prepare Face Serums	1
13. Different types of Masks	2
14. Herbal Face packs	2

Note: The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS:

1. Cosmetic Science -- Balson and sagarin , wiley Technology(vol.1 & 11) inter scienc
2. Perfume, soaps and cosmetics, roopnagar delhi, hindi ---A.K Gupta small scale industries
3. A Text book of applied chemistry for home science and applied science ltd.—the macmillan com.of india
4. A text book of applied chemistry---- P.S & manrao , m.r kalyani pub. New delhi
5. Modern cosmetics corporation, Bombay--- thomssen E. O,universal pub.

ENVIRONMENTAL STUDIES-I LAB

Course Code	BC-3009 (Common in All Branches of Non Engineering)
Course Title	Environmental Studies-I Lab
Number of Credits	1.0 (L-0, T-0, P-2)
Prerequisites	None

Course Objective

Environmental study is a subject as per directions of Supreme Court / Govt. of India. Under Act. 51 A (g) of our constitution it is our fundamental duty to protect our environment.

A diploma holder must have knowledge of different types of pollution so that she may help in balancing the eco system and controlling pollution by pollution control measures. She should also be aware of environmental laws related to the control of pollution.

Course Outcomes

After completing the course the Learner will

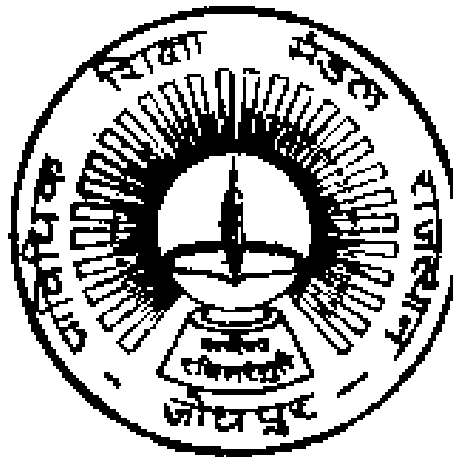
- Understand the extent of Air pollution in their city.
- Understand the extent of Water pollution in their city.
- Know about the Ph value of water , hardness and TDS of water, their importance method of determination .
- Have knowledge of solid waste management of their city

PRACTICALS

1. Visit to the important circles and measurement of Air Quality Index
2. Determination of Ph Value of tap Water
3. Determination of Hardness of tap Water by EDTA Method
4. Determination of TDS of tap Water
5. Visiting the local agency to Prepre the report of solid waste management of the city .
6. Plantation

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN JODHPUR

SEMESTER SCHEME-2020-21



IV SEMESTER
(SESSION 2021-2022 & ONWARDS)

ENVIRONMENTAL STUDIES-II

Course Code	BC-4001 (Common in All Branches of Non Engineering)
Course Title	Environmental Studies-II
Number of Credits	2 (L-2 T-0, P-0)
Prerequisites	None

COURSE LEARNING OBJECTIVES

Environmental study is a subject as per directions of Supreme Court / Govt. of India. Under Act. 51 A (g) of our constitution it is our fundamental duty to protect our environment. A diploma holder must have knowledge of different types of pollution so that she may help in balancing the eco system and controlling pollution by pollution control measures. She should also be aware of environmental laws related to the control of pollution.

COURSE OUTCOMES-

After completing the course the Learner will

- Understand the importance of Environmental cleanliness
- Gain knowledge about the causes of Land pollution , Land erosion and prevention
- Understand about Biodiversity and ecosystems
- Water harvesting methods and about the Rural Sanitation
- Know the different Non conventional energy sources and their advantages

COURSE CONTENTS

1.	Land Pollution :	L
	1.1 Soil conservation	5
	1.2 Land erosion	
	1.3 Afforestation	
2.	Ecology :	7
	2.1 Basics of species	
	2.2 Biodiversity	
	2.3 Population dynamics	
	2.4 Energy flow	
	2.5 Ecosystems	
3.	Water Harvesting and Rural Sanitation :	7
	3.1 Water harvesting techniques	
	3.2 Different schemes of Rural Water Supply in Rajasthan	
	3.3 Rural Sanitation	
	3.3 Septic Tank	
	3.5 Collection and disposal of wastes	
	3.6 Bio-gas	
	3.7 Community Awareness and participation	
4.	Non Conventional Energy Sources :	7
	4.1 Non-Conventional (Renewable) sources of energy	
	4.2 Solar energy, Wind energy, Bio-mass energy, Hydrogen energy	

REFERENCE BOOKS :

- | | |
|--|--|
| 1. Patyavarán Shiksha | Dr. A.N. Mathur, Dr. N.S. Rathore & Dr. V.K. Vijay |
| 2. Patyavarán Adhyayan | Dr. Ram Kumar Gujar Dr. B.C. Jat |
| 3. Patyavarán Avabodh | Dr. D.D. Ojha |
| 4. Environmental chemistry and pollution control : | S.S. Dora |
| 5. Ecology concepts and | Manuel C. Muller |

application :

- | | |
|--|---|
| 6. Environmental protection | Emil T. Chanlett |
| 7. Environmental science | Cumingham. Saigo |
| 8. Solid waste management : | C.I.. Mantell |
| 9. Introduction to Environmental Engineering & Science | Gilbert M Masters
Prentice Hall of India, 1995 |
| 10. Concept of Ecology, 1991 | Edward J Kormondy |
| 11. Ecology 1975 | Odum |
| 12. Environmental Engineering | Peavy, Rowe, Tehobaniglum |
| 13. Environmental Impact Assessment | Mc Graw Hill, NewYork, 1977 |
| 14. Environmental Technologies for Sustainable Development | Dr. Upendra Pandel
Dr. M.P. Poonia |
| 15. Environmental Pollution & Management | V.K. Kohli & Vikas Kohli |
| 16. पर्यावरण विनाश के कगार पर | राजीव गुप्ता |
| 17. पर्यावरण जीवों का आंगन | प्रेमानन्द चंदोला |
| 18. पर्यावरण (त्रैमासिक) | पर्यावरण एवं वन मंत्रालय, नई दिल्ली |
| 19. Panda, New letter | WWF-India, New Delhi |

(SEMESTER SCHEME-2020)

COSMETIC SCIENCE II

Course Code	BC-4002
Course Title	Cosmetic Science - II
Number of Credits	4 (L-4, T-0, P-0)
Prerequisites	None

Course Objective

The students seeking admission to the diploma of Beauty Culture must be well versed with knowledge of cosmetic science to provide opportunities to have a career in this fast growing industry in the area of product development & research, regulatory, quality assurance and manufacturing or pursue academic research in the area.

Course Outcomes**After completing the course the Learner will**

- Familiar with principles of production technology as well as framework composition of emulsion, gel and suspension cosmetic products.
- Acquire basic information about the possibilities and limitations of cosmetic products/hazards of cosmetic

Course Contents

- 1. Bath preparation- Introduction, composition and functions of the following 10**
 - 1.1 Body Massage oil
 - 1.2 Bath bombs
 - 1.3 Shower Gel
 - 1.4 Bath Salt
 - 1.5 Body Scrubs
- 2. Cosmetics used for hair, scalp and Body 15**
 - 2.1 Cosmetics used for hair and scalp- Introduction, composition and functions of the following
 - 2.1.1 Shampoos
 - 2.1.2 Conditioners
 - 2.1.3 Rinses
 - 2.1.4 Hair setting gel
 - 2.1.5 Hair Sprays
 - 2.1.6 Hair Dyes
 - 2.1.7 Hair Serums
 - 2.2 Introduction, Composition and Function of the following
 - 2.2.1 Cosmetic Deodorants
 - 2.2.2 Antiperspirants
- 3. Coulored Cosmetics for the facial makes 24**
 - 3.1 Base Makeup- Introduction, Composition and Function of the following
 - 3.1.1 Foundation Make-Up
 - 3.1.2 Cake Make-up
 - 3.1.3 Blemish Concealer Makeup
 - 3.2 Powders-Introduction, Composition and Function of the Following
 - 3.2.1 Compact Powder
 - 3.2.2 Talcum Powder
 - 3.3 Rouge and Lipstick- Introduction, Composition and Function
 - 3.4 Eye Make-Up-Introduction, Composition and Function of Following
 - 3.4.1 Eye Shadow
 - 3.4.2 Mascara
 - 3.4.3 Eye Liner & Eye Brow Pencil
- 4. Hazards of Cosmetics ,Quality control of the cosmetics in India 3**

REFERENCE BOOKS:

1. Cosmetic Science -- Balson and sagarin , wiley Technology(vol.1 & 11) inter scienc

2. Perfume, soaps and cosmetics, roopnagar delhi, hindi ---A.K Gupta small scale industries
3. A Text book of applied chemistry for home science and applied science ltd.—the macmillan com.of india
4. A text book of applied chemistry---- P.S & manrao , m.r kalyani pub. New delhi
5. Modern cosmetics corporation, Bombay--- thomssen E. O,universal pub.

(SEMESTER SCHEME-2020-21)

PARLOUR MANAGEMENT

Course Code	BC-4003
Course Title	Parlour Management
Number of Credits	5 (L-3, T-2, P-0)
Prerequisites	None

Course Objective

This subject highlights the essential requirements of a Beauty Parlour business and provides help to plan a profitable business covering all relevant standards of health, hygiene, safety and security.

Course Outcomes

During and after completion of their subject the learner will come across many benefits such as

1. Introduction, concept, perspective and various tangible and intangible aspects of parlour planning.
2. learning about the parlor planning which includes executive summary services provided to the costumers, analyzing the target audience , business and marketing strategies manpower and finances .

Course Contents

1. Parlour Planning :	10
1.1 Physical Environment :	
1.1.1 Selection of Location.	
1.1.2 Space Allotment.	
1.1.3 Furniture.	
1.1.4 Color Scheme and Decoration.	
1.1.5 Lighting and Ventilation	
1.2 Installation Cost	
1.3 Operating Cost	
2. Management techniques	8
2.1 Leadership	
2.2 Authority	
2.3 Responsibility	
2.4 Functions of Management	
3. Hygiene and First Aid	6
3.1 Sterilization and Sanitation of Equipment's and Materials.	
3.2 Personal and Parlour Hygiene	
3.3 First-Aid for Emergency & Accident	
4. Tax System and Insurance :	10
4.1 Income Tax	
4.2 Goods and service Tax	
4.3 Custom Duty	
4.4 Industrial Insurance	
4.5 Insurance pertaining to Beauty Parlour	
4.6 Cosmetic and Drug Act	
4.7 Procedure for industrial insurance	
5 Day to Day Management of parlour	5
5.1 Motivating the employes	
5.2 Interpersonal relations	
5.3 Staff requirement and record	

REFERENCE BOOKS:

1. Standard Text Book of Cosmetology Milady staffhand
2. Hand book of first aid Dr Prem sunder

COMMON DISORDERS OF SKIN , NAILS & HAIR

Course Code	BC-4004
Course Title	Common Disorders Of Skin , Nails & Hair
Number of Credits	4 (L-3, T-1, P-0)
Prerequisites	None

Course Objective

The student seeking admission to the Diploma of Beauty Culture must have thorough knowledge of diseases and disorders of skin and hair to prevent infection in salon.

Course Outcome

After completing the course the Learner will be able to:

- Differentiate or categorize common skin and nails disorders and diseases
- Investigate the disorders and diseases of skin and nails; and their contraindications to treatment.
- Learn the characteristics and transmission of micro-organism which cause disease in humans.
- Treat common skin orders such as acne vulgaris, pigment disorders etc.

Course Contents

	L	T
1. Study the following	6	2
1.1 Characteristics of healthy skin		
1.2 Ageing of skin -Symptoms, causes, prevention and remedies		
1.3 Disorders of nails		
2. Common skin disorders – Introduction, Symptoms, causes, prevention and remedies :	12	4
2.1 Disorders of the oily glands.		
2.2 Disorders of the sweat glands.		
2.3 Tanning and sunburn.		
2.4 Pigmentation defects		
2.5 Introduction, Symptoms of following:		
2.5.1 Psoriasis		
2.5.2 Eczema and Dermatitis		
3. Microorganisms – Introduction, effect on skin & hair and control.	12	4
3.1 Define disease and infection		
3.2 Definition of Pathogenic and non pathogenic organism		
3.3 Microorganisms- Introduction , Effect on skin and hair and control.		
3.3.1 Bacteria		
3.3.2 Fungi- Tinea		
3.3.3 Virus		
3.4 Scabies		
3.5 Covid-19		
4. Disorders & Diseases of hair	9	3
4.1 Hereditary defect		
4.2 Nutritional defect		
4.3 Acquired defect		
4.4 Alopecia		
4.5 Head lice		
4.6 Pre-mature graying		
4.7 Dandruff		

REFERENCE BOOKS:

1. Science for Hair Dressing Students Lee, C.M. & Inglis, J.K. , Pergamon press.
2. Beauty Specialist 2nd Edition. Gallant, Ann.

BEAUTY THERAPY--IV LAB

Course Code	BC-4005
Course Title	Beauty Therapy--IV Lab
Number of Credits	1.5 (L-0, T-0, P-3)
Prerequisites	None

Course Objective

The students seeking admission to the diploma of Beauty Culture must have knowledge of aroma facial, advance makeup and cosmetics and latest technology for make-up and body spa to develop their employment skill in industry.

Course Outcomes

After completing the course the learner will be able to:

- The students will be familiar with the basic concepts of Aroma therapy for different skin and condition.
- Carry out knowledge of special and advance makeup cosmetic and make up procedure skill
- Carry out body spa

Course Contents

- | | |
|--|-----------|
| 1. Aroma therapy : Introduction, Procedure, benefits, precautions | 5 |
| 1.1 knowledge of essential oils and carrier oils | |
| 1.2 Blending of aroma oils | |
| 1.3 Therapeutic uses of aroma therapy | |
| 2. Special and Advanced Make-up- Introduction, Cosmetic and tools knowledge, Procedure, benefits, precautions | 25 |
| 2.1 Model make up | |
| 2.2 Character makeup | |
| 2.3 Fashion Makeup | |
| 2.4 HD Makeup | |
| 2.5 Air brush makeup | |
| 3. Spa Therapy : Introduction, Cosmetic knowledge, Procedure, benefits, precautions | 9 |
| 3.1 Definition of Spa | |
| 3.2 Spa etiquettes | |
| 3.3 Spa Equipments | |
| 3.4 Different types of Spa | |
| 3.4.1 Body Wraps, Mud, Clay and herbal therapies | |
| 3.4.2 Body polishing | |
| 3.4.3 Deep tissue massage | |
| 3.4.4 Hot stone Massage | |
| 3.4.5 Cupping / Lymphatic massage | |

Note: The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS :

- | | |
|---|------------------|
| 1. Standard Text Book of Cosmetology | Milady staff |
| 2. Principles and Practice of Beauty Culture | Florence wall |
| 3. Manual for Skin Care, Cosmetics | Madame Korner |
| 4. application and Corrective Make-up | |
| 5. Beauty Specialist | Ann Gallan |
| 6. The illustrated guide to Massage and aroma therapy | Catherine stuart |

HAIR DRESSING –IV LAB

Course Code	BC-4006
Course Title	HAIR DRESSING –IV LAB
Number of Credits	1.5 (L-0, T-0, P-3)
Prerequisites	None

Course Objective

The student seeking admission to the Diploma of Beauty Culture must be will used with the hair coloring, hair lightening and bleaching and latest haircuts as hair dressing is an important aspect of external beauty.

COURSE OUTCOMES

After completing the course the learner will be able to –

- Learn about latest hair styles and hair cutting
- Learn about hair coloring techniques
- Learn about hair Bleaching or Hair Lightening

Course Contents

1. Hair styles	15
1.1 Hair style for open hair	
1.2 Hair styles according to Fashion	
1.3 Bridal hair styles	
2. Hair Colouring and Tinting : Procedures and safety precaution	30
2.1 Determine degree of Porosity	
2.2 Depth and Tonal Value of Colours	
2.3 Neutralizing Colours	
2.4 Temporary Colour	
2.5 Semi-permanent Colour	
2.6 Patch test	
2.7 Care of Hair Colouring Products	
2.8 Procedure	
2.9 Tint Retouch-Procedure for Retouching Tint	
2.10 Fillers	
2.11 Tinting Back to Natural	
2.12 Coloring technique-global, Ombre, balayage, Sombe, frosting etc.	
3. Bleaching or Hair Lightening:	5
3.1 Different types of Hair Lighteners	
3.2 Decolorization	
3.3 Procedure	
3.4 Problems Encountered in Hair Bleaching	
3.5 Precautions to be taken	
4. Advance Hair Cutting -	15

Note: The Essential Theory should be taught during the Practical's.

REFERENCE BOOKS:

- | | |
|---|---|
| 1. The Prentice Hall Text Book of Cosmetology | Oline P. Scott,. Mary G. Callahan.et al |
| 2. Milady's Standard | Milady Staff |
| 3. Textbook of Cosmetology | Milady Staff |

BODY PERFECTION AND YOGA – IV LAB

Course Code	BC-4007
Course Title	BODY PERFECTION AND YOGA – IV LAB
Number of Credits	1.5 (L-0, T-0, P-3)
Prerequisites	None

Course Objective

The student seeking admission to the Diploma of Beauty Culture must have knowledge of different kind of exercises health club equipments and meditation to maintain the health.

Course Outcomes

After completing the course the Learner will be able to:

- Understand the basic of power yoga and practice Yoga
- Learn study of baths.
- Learn Meditation techniques to reduce stress and to improve emotional regulation.
- Learn surya namaskar technique

Course Contents

1. Exercise for Body Perfection	9
1.1 Power yoga	
1.2 Exercise for different part of body	
2. Yogic Asana : Procedure, Benefits and precaution	10
2.1 Sarvanasana	
2.2 Vipritkarni asana	
2.3 Markatasana	
2.4 Padsatasana	
2.5 Trikonasana	
2.6 Suptvajasana	
2.7 Setubandha asana	
2.8 Balasana	
2.9 Sihasana	
2.10 Sarvanasana	
3. Study of different kind of baths:-	6
3.1 Sauna Bath	
3.2 Steam Bath	
3.3 Jaccozy Bath	
4. Meditation Techniques:	4
4.1 Om Technique	
4.2 Musical technique	
5. Surya namaskar benefits and precautions.	10

Note: The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS:

- | | |
|--|--------------------------------|
| 1. YogSadhanaAvamYog ChikitsaRahasya | Swami RamdevjiMaharaj |
| 2. DivyaYogSadhana (Asan – Pranayam) V.C.D. Part 1-2 | Swami RamdevjiMaharaj |
| 3. YogasanandSadhana | Dr.Satyapal, Dr. D. D. Agarwal |
| 4. Surya namaskar | Suresh Chandra sharma |

COSMETIC SCIENCE- II LAB

Course Code	BC-4008
Course Title	COSMETIC SCIENCE- II LAB
Number of Credits	0.5 (L-0,T-0, P-1)
Prerequisites	None

Course Objective

The students seeking admission to the diploma of Beauty Culture must be well versed with practical of cosmetic making to provide opportunities to have a career in fast growing cosmetic industry in the area of product development & manufacturing or to become an entrepreneur in the field.

Course Outcomes

After completing the course the Learner will be

- Able to have a more critical approach to the use of cosmetic products.
- Understand their basic physicochemical structure.
- Develop critical opinion with regard to the cosmetic industry and gain confidence in working in a laboratory

Course Contents**P****Prepare following preparation in lab**

1 Body Massage Oil	1
2 Shower gel	1
3 Bath salt	1
4 Body Scrub	1
5 Herbal and chemical hair removing wax	1
6 Shampoo	1
7 Hair conditioners	1
8 Hair Serum	1
9 Organic hair dyes	1
10 Natural hair masks and packs	1
11 Talcum Powder	1
12 Sanitizers	1
13 Organic Lip balm	1

Note: The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS:

1. Cosmetic Science -- Balson and sagarin , wiley Technology(vol.1 & 11) inter scienc
2. Perfume, soaps and cosmetics, roopnagar delhi, hindi ---A.K Gupta small scale industries
3. A Text book of applied chemistry for home science and applied science ltd.—the macmillan com. of India
4. A text book of applied chemistry--- P.S & manrao , m.r kalyani pub. New delhi
5. Modern cosmetics corporation, Bombay--- thomssen E. O,universal pub.

ENVIRONMENTAL STUDIES-II LAB

Course Code	BC-4009 (Common in All Branches of Non Engineering)
Course Title	Environmental Studies-II lab
Number of Credits	1.0 (L-0, T-0, P-2)
Prerequisites	None

Course Objective:

Environmental study is a subject as per directions of Supreme Court / Govt. of India. Under Act. 51 A (g) of our constitution it is our fundamental duty to protect our environment.

A diploma holder must have knowledge of different types of pollution so that she may help in balancing the eco system and controlling pollution by pollution control measures. She should also be aware of environmental laws related to the control of pollution.

Course Outcomes

After completing the course the Learner will

- Understand the extent of Land pollution in their city.
- Understand the local birds, plants, insects.
- Importance of Afforestation (Plantation)
- Have awareness towards Environment

Practicals

1. Visit to local area to document environmental assets-mountain/ desert / river / forest
2. Study of local birds, plants, insects
3. Plantation
4. Environmental awareness campaign through exhibitions

Note : After visits/ study, the students will prepare posters , charts , reports for exhibitions / presentations.
