



UTTARAKHAND BOARD OF TECHNICAL EDUCATION
JOINT ENTRANCE EXAMINATION AND TRAINING, RESEARCH DEVELOPMENT CELL, DEHRADUN
STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME

BRANCH NAME– GARMENT TECHNOLOGY

SEMESTER – V

Subject Code	Subject	L	T	P	T O T	EVALUATION SCHEME						Total Marks	Credit Point
						Internal		External					
						Theory	Practical	Theory		Practical			
						Max Marks	Max Marks	Max Marks	Hrs.	Max Marks	Hrs.		
Period/Weeks													
115006	Quality Control	3	-	1	4	30	20	70	2.5	20	1.5	140	3
115003	CAD Studies - III	-	-	3	3	-	20	-	-	40	1.5	60	3
115001	Advance Pattern Making - I	-	-	5	5	-	50	-	-	80	3.0	130	5
115005	Garment Fabrication - V	-	-	6	6	-	100	-	-	80	3.0	180	6
115002	Apparel Merchandising & Minor project	3	-	3	6	30	80	70	2.5	80	1.5	260	8
115004	Design Development	-	-	5	5	-	80	-	-	100	3.0	180	8
105052	Industrial Exposure (Assessment at Inst. Level) +	-	-	4	4	-	25	-	-	-	-	25	1
015054	General Proficiency (Disc/Game/SCA/NCC/NSS) #	-	-	4	4	-	25	-	-	-	-	25	1
Total		6	-	31	37	60	400	140	-	400	-	1000	35

Student Centered Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, Extension lectures, NCC, NSS and cultural activities etc.

+ Industrial visit compulsory at minimum 2 Industries or Department.

Note: 1- Each period will be 50 minutes. 2- Each session will be of 16 weeks. 3- Effective teaching will be at least 12.5 weeks.

Note: six week project based **industrial training** as per details specified in major project syllabus, out of six weeks, **four week during vacation after fourth semester and two week craft oriented training after fifth semester** till commencement of six semester. Craft oriented training cum major project work will be evaluated in six semester by an expert/examiner from industry.

Branch Code - 11



**FIFTH SEMESTER
GARMENT TECHNOLOGY**

L	T	P
3	-	1

Subject Code : 115006

RATIONALE

Diploma holders in garment technology are required to monitor the quality of the garments on the shop floor. They are also required to inspect the garments during their construction.

DETAILED CONTENTS

1. QUALITY CONTROL

- What is Quality?
- Need for quality control
- Quality Assurance
- Quality Standard
- Benefits of quality
- Accepted quality level (AQL)
- Total quality management (TQM)

2. WHAT IS INSPECTION

- Meaning
- Different types of inspection
- Raw material inspection
- Fabric (4 point system/10 point system)
- In process inspection
- Final inspection
- Role of inspector in inspection

3. Introduction to ISO 9001-2000 system

4. Major/minor defects classification and criteria of rejection/acceptance.

LIST OF PRACTICAL

1. Analyzing test reports as per given specification of the buyer
2. Demonstration of basic fabric defects

3. Care label
 - a) Collection of wash care labels
 - b) Sketching and understanding of symbols

INSTRUCTIONAL STRATEGY

The teacher should take students to garment industries to show them maintenance of quality of garments in the industry

RECOMMENDED BOOKS

1. Managing Quality by SK Bhardwaj and PV Mehta; New Age Publisher, Delhi
2. ISO 9000 –Textile Committee Manual

L	T	P
-	-	3

Subject Code : 115003

RATIONALE

The term CAD has found its way into all major disciplines that have got anything to do with designing or drafting techniques. The major objective of this course is to expose the students to different software's available in the field of garment technology, so that they are able to use those software in the design and construction of various garments.

The term CAD has found its way into all major disciplines that have got anything to do with designing or drafting techniques. The major objective of this course is to expose the students to different software available in the field of design industry.

DETAILED CONTENTS

PRACTICAL EXERCISES

To create prints, textures, repeats, color ways and drapes using fashion studio software

DETAILED CONTENTS

PRACTICAL EXERCISES

- To draw 3 geometrical folk design with coral draw.
- Create different textures for background and design motifs/natural objects
- Make 3 woven design for shirting material using different stripes, checks, dots
- Scan a 10 inch X 15 inch design and learn to stitch making a single image.
- Creating flowers digitally using a tablet.

RECOMMENDED BOOKS

- Coral and Photoshop.

Note: Teacher can introduce new software as per the requirement of syllabus The students should be allowed to use and operate any one software for development of Pattern. The teacher may arrange expert lectures/demonstration on CAD exercises by inviting professionals from the garment industry.

ADVANCED PATTERN MAKING - I

L	T	P
-	-	5

Subject Code : 115001

RATIONALE

The students are supposed to perform the jobs of pattern maker when engaged in garment Manufacturing. After going through this subject, students will be able to manipulate Different darts and increase or decrease any pattern proportions

DETAILED CONTENTS

PRACTICAL EXERCISES

1. Lady's Shirts
 - Drafting of lady's shirt
 - Adaptation of the lady's shirt to various styles
 - Developing patterns of the various styles (3 styles)
2. Drafting of Cowls (Adaptation in Neckline, Sleeve/Armhole)
3. Developing patterns for
 - Lady's skirts (high waist, flared, skirts with yoke, godets, inverted box pleat)
 - Lady's tops
 - Lady's nightwear

RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Helen Joseph Armstrong
2. The ABC's of Grading by Murray Sacheir
3. Pattern Making for Fashion design by Armstrong
4. Basic Pattern Skills for Fashion Design by Bernard Zamkoft
5. Design Apparel Through the Flat Pattern by Ernestine Kopp

L	T	P
-	-	6

Subject Code : 115005

RATIONALE

The diploma holders in garment technology are supposed to fabricate the garments so it is very essential that they should be able to fabricate various garments as per the layouts and specifications. Hence this subject has been included in the curriculum in order to develop such competencies.

DETAILED CONTENTS

Practical Exercises

Construction of women's wear:

1. Halter top
2. Lady's lehnga choli (semi formal)
3. Dogri Salwar
4. Gored skirt
5. Traditional Angrakha

RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Armstrong
2. Clothing Construction by Doongaji; Raj Parkashan, Delhi
3. System of Cutting by Zarakar
4. Clothing Construction by Evelyn A Mansfield, Hougutan Miffin Co., Boston
5. Creative Sewing by Allynie Bane; McGraw Hill Book Co., Inc., New York
6. How You Look and Dress by Byrta Carson; McGraw Hill Book Co., Inc., New York
7. Complete Guide to Sewing by Reader's Digest

L	T	P
3	-	3

Subject Code : 115002

RATIONALE

Some diploma holders of garment technology may find employment in export houses and apparel merchandizing agencies. After studying this subject, the students will understand marketing in domestic and international markets and their quota systems. It focuses attention on apparel industry giving thorough knowledge of merchandizing. Realizing the great importance of students' exposure to world of work for his professional growth, two spells of industry oriented projects-minor and major have been included in the curriculum. It is necessary that teachers play a proactive role in planning and guidance of individual student for optimizing the benefits of the activity in stipulated time.

DETAILED CONTENTS

1. Apparel Industry Profile

- Current Indian export and India's position in the world apparel/textile market
- Organizational structure of export house, buying houses and domestic companies and export procedures

2. Fashion merchandizing

- Study of fashion principles,
- Theories of clothing
- Fashion adoption theories
- Fashion cycle
- Fashion terminology

3. Introduction to fashion marketing and merchandizing principles/ Terminology.

Retail marketing, whole sale marketing, boutique outlet, designerwear, couture, pret-o-porter (ready to wear), haute couture (hi-fashion)

- Economic domestic and international market social, environmental and political factors in balancing influences
- Consumer Behavior

4. Visual Merchandizing

5. Garment Costing

6. Factors in deciding fabrics,price, quality, etc

PRACTICAL:

MINOR PROJECT

- **Minor project** work aims at exposing the students to industrial/field practices so as to have an appreciation of size, scale and type of operations; and work culture in the industries. Also the students will be able to correlate concepts, principles and practices taught in the classroom with their application in solving field/industrial problems. The work done in minor project work will also prepare them in taking up problem solving at later stage under major project work.

Depending upon the interests of the students and location of the organization, the students may be asked to develop following design portfolio: (This is only suggestive, however other problems may also be identified depending of local industries)

Note: A viva voce examination shall be conducted at the end of the project for assessing the work of the student. The examination committee for this purpose shall consist of a professional and teacher who have guided the project.

1. Market Study

Selecting a brand / Retail outlet

Introduction

History and growth

Market performance

Promotional techniques

RECOMMENDED BOOKS

1. Fashion from Concept to Consumer
2. Fashion and Retail Merchandising
3. Inside the Fashion Business by Joonow, Jea
4. Fashion Merchandising by Stone, Ela
5. Ready to Wear Apparel Analysis by Petty and Brown

DESIGN DEVELOPMENT

L	T	P
-	-	5

Subject Code : 115004

1. Developing garments for a line/range. Teenage range- (casual, formal, party wear), range for trousseau (all functions); range for a woman (25 yrs & above) (Indian & western etc.)
2. Pick up a line
3. Check out for clientel (economic strata)
4. Study of latest trends (colour, fabric, silhouettes)
5. Developing croquies
6. Mood board
7. Creation of final folder along with developed swatches, backdrop design (presentation)

(Ground work for major project)

TRAINEE'S EVALUATION SHEET

We are always keen to receive your views on the trainee's. The feedback you give allows us to continually adapt /train our students to better suit your needs. We would appreciate it if you could spend a few minutes filling in this form before the Trainee leaves (please hand it to the trainer when you've finished).

All feedback will be treated in the strictest of confidence.

Duration of training course:

joining:

Name of Trainee:

	Poor	Average	Good	Excellent/Useful
Overall Verdict	1	2	3	4
attendance	1	2	3	4
Skill acquired	1	2	3	4
Sense of responsibility	1	2	3	4
obedience	1	2	3	4
Pace of Training	1	2	3	4
Coordinating skills	1	2	3	4
Trainee's creative input	1	2	3	4

Trainee's area of specialization (if any)

Scope of improvisation (if any).....

Date:

Signature

The Head OF Department / Incharge

Designation



LEARNING OUT COMES AND MEANS OF ASSESSMENT

BRANCH NAME – GARMENT TECHNOLOGY

SEMESTER – V

S.NO.	Title of Subject/Unit	Learning Outcomes	Means of Assessment
1	Quality Control	Ability to analyse quality check and process in a garment	Assignments, class tests, mid term & end term etc., lab and practical work
2	Cad Studies-III	Ability to create variety of drawings/ patterns using advanced software	Assignments, class tests, mid term & end term etc., lab and practical work
3	Advance Pattern Making-I	Ability to create and adapt various design details into an adult garment type.	Assignments based on development of design details using principles of pattern making, class tests, mid term & end term etc.
4	Garment Fabrication-V	Ability to stitch both western and Indian garments with finishing	Assignments based on developed garment types, class tests, mid term & end term etc
5	Apparel Merchandizing & Minor Project	Understanding rules of merchandising in an export industry, knowing nuances of studying a brand	Assignments based on minor project of a brand study, class tests, mid term & end term etc.
6	Design Development	ability to create inspirational designs using various themes	Class tests, mid term & end term etc.,presentation of sheet work.