



**DIPLOMA IN TEXTILE ENGINEERING SYLLABUS
PROBIDHAN-2022
2ND SEMESTER**

SUBJECT CODE	SUBJECT NAME	PERIOD PER WEEK		CREDIT
21121	GENERAL TEXTILE PROCESSING-II	T	P	C
		2	3	3

1) Learning Outcome (Theoretical):

- After undergoing the subject, students will be able to:
- Identify and classify the process sequence of wet processing
- Explain wet processing machinery
- Identify and classify the process sequence of garments manufacturing machinery
- Explain garments manufacturing process machinery
- Identify & describe basic principles of fashion designing
- Explain the activities of merchandising

2) Learning Outcome (Practical):

- Identify process sequence and machinery of wet preparatory process
- Identify machinery involved in dyeing, printing and finishing
- Point out the components of basic garments items
- Identify garments manufacturing machinery and their operations
- Identify sewing machinery
- Demonstrate elements of tech pack and swatch card

Detailed Syllabus (Theory)

Unit	Topics with Contents	Final Marks
1.	INTRODUCTION TO WET PROCESSING 1.1 Explain Wet Processing 1.2 Mention the Flow Chart of Wet Processing for Fiber and Yarn Dyeing 1.3 Specify the Flow Chart of Wet Processing for Knit and Woven Fabric	4

	1.4 State the Flow Charts of Wet Processing for Cotton, Synthetic & Blended Fabric	
2	PRETREATMENT 2.1 Define Singeing 2.2 Explain the purposes of Singeing 2.3 Explain Desizing 2.4 Define Scouring 2.5 Mention the purposes of Scouring 2.6 List the methods and machinery used for Scouring 2.7 Define Bleaching 2.8 Classify Bleaching 2.9 Mention the purposes of Bleaching 2.10 State the purposes of Mercerizing	6
3	DYEING 3.1 Define Colour, Dye and Pigment 3.2 Classify Dyestuff 3.3 Point out suitable Dyestuff for the application on different Fibers 3.4 List various types of Dyeing Machinery	6
4	PRINTING AND FINISHING 4.1 Define Printing 4.2 Mention the ingredients of Printing Paste 4.3 List the methods of Printing 4.4 Recognize the style of Printing 4.5 Distinguish between Dyeing and Printing 4.6 Define Textile Finishing 4.7 Mention the purpose of Textile Finishing 4.8 Recognize Mechanical Finishes 4.9 List the Chemical Finishes with objectives	8
5	INTRODUCTION TO GARMENTS MANUFACTURING 5.1 Describe the history of Garment Industry in Bangladesh 5.2 Discuss the flow chart of Garments Manufacturing Process 5.3 List the common symbols used in Readymade Garments 5.4 Explain Apparel name based on product group 5.5 List Trims and Accessories	6
6	SAMPLING 6.1 Define Sample and Sampling 6.2 Classify Sample 6.3 Mention the purpose of different Sample prepared in Garments	4
7	OBSERVE GARMENTS MANUFACTURING PROCESS 7.1 Point out the machinery involved in Garments Manufacturing Process	8

	7.2 Observe the operations involved in Garments Manufacturing Process 7.3 List the brand, origin and capacity of Garment Manufacturing Process 7.4 Maintain the record of performed experiment	
8	INTRODUCTION TO FASHION DESIGN 8.1 Define Fashion, Style, Trend, Fad, Classic & Portfolio 8.2 Define Fashion Follower and Fashion Leader 8.3 Distinguish between ready to wear and Haute Couture 8.4 Illustrate Fashion Cycle 8.5 List some of the renowned Fashion Designer and Fashion City	6
9	PRINCIPLES AND ELEMENTS OF DESIGN 9.1 State the Principles of Design 9.2 Describe the principles of Design during product development 9.3 Recognize the elements of Design 9.4 Explain the theory of Fashion Adoption process (Trickle Up, Trickle Down, Trickle Across)	6
10	MERCHANDISING 10.1 Define Merchandising 10.2 Specify common Terms and Terminology used in Merchandising 10.3 Mention the flow chart for Merchandising 10.4 List the roles of Merchandiser 10.5 Classify Merchandising 10.6 Recognize Tech Pack 10.7 List the Garments importer countries 10.8 Name some common Buyers & Brands 10.9 List the ways of getting order in Garment Factory 10.10 Point out the items of Sourcing	6
	Total	60

Detailed Syllabus (Practical)

Unit	Topics with Contents	Marks
1	OBSERVE WET PREPARATORY PROCESS 1.1 Identify the machinery involved in Wet Preparatory Process 1.2 Observe the operations involved in Wet Preparatory Process 1.3 Point out brand, origin and capacity of Wet Preparatory Machinery 1.4 Maintain the record of performed experiment	2

2	OBSERVE DYEING PROCESS 2.1 Identify the machinery involved in Dyeing Process 2.2 Observe the operations involved in Dyeing Process 2.3 Point out the brand name, origin and capacity of different Dyeing Machinery 2.4 Maintain the record of performed experiment	2
3	OBSERVE PRINTING PROCESSES 3.1 Identify Printing Equipment 3.2 Observe different methods of Printing 3.3 Demonstrate various Printed Products 3.4 Maintain the record of performed experiment	3
4	OBSERVE FINISHING PROCESSES 4.1 Identify different Finishing machinery involved in Wet Processing 4.2 Observe the differences between Mechanical and Chemical finishes 4.3 Express the effect of different types of Finishing 4.4 Maintain the record of performed experiment	3
5	OBSERVE WOVEN SHIRT AND PANT 5.1 Identify Woven Shirt and Pant 5.2 Point out the parts of Basic Shirt and Pant 5.3 Maintain the record of performed experiment	3
6	OBSERVE KNITTED T-SHIRT AND TROUSERS 6.1 Identify T-shirt and Trousers 6.2 Point out the parts of Basic T-shirt and Trousers 6.3 Maintain the record of performed experiment	3
7	OBSERVE GARMENTS MANUFACTURING PROCESS 7.1 Point out the machinery involved in Garments Manufacturing Process 7.2 Observe the operations involved in Garments Manufacturing Process 7.3 List the brand, origin and capacity of Garment Manufacturing Process 7.4 Maintain the record of performed experiment	3
8	OBSERVE SEWING MACHINES 8.1 Identify different types of Sewing Machines 8.2 Observe the purpose of different types of Sewing Machines 8.3 Find out the brand name, origin, and capacity of Sewing Machines 8.4 Maintain the record of performed experiment	2

9	OBSERVE TECH PACK 9.1 Observe the elements of Tech Pack 9.2 Identify the elements of Tech Pack 9.3 Point out the purpose of Tech Pack 9.4 Maintain the record of performed experiment	2
10	OBSERVE SWATCH CARD 10.1 Observe the elements of Swatch Card 10.2 Identify the containing elements of Swatch Card 10.3 Maintain the record of performed experiment	2
	Total:	25