



Daffodil Polytechnic Institute, Institute Code: 50238




Subject Teacher : Rifah Nanziba
Subject Name : Garments Washing & Dyeing
Subject Code : 21462
Technology : Textile Technology
Semester : 6th Apparel Manufacturing
Reference Book : Garments Washing & Dyeing (Publisher: Prime Publication)

<i>Marks</i>	<i>Grade Point</i>	<i>Letter Grade</i>	<i>Marks</i>	<i>Grade Point</i>	<i>Letter Grade</i>
80>	4.00	A+	55-59	2.75	B-
75-79	3.75	A	50-54	2.50	C+
70-74	3.50	A-	45-49	2.25	C
65-69	3.25	B+	40-44	2.00	D
60-64	3.00	B	0-39	0.00	F

Time Distribution (90min)			
	Particular	Time	
Greeting with students		5 Min	
Previous class review		10 Min	
Present class lecture		60 Min	
Feedback		10 Min	
Attendance		5 Min	

THEORY LESSON PLAN

Chapter	Topics with contents	Learning Outcome	Supporting Equipments
1	CONCEPTS OF GARMENTS WASHING 1.1 Define garments washing. 1.2 State the purposes of garments washing. 1.3 State the basic process flow chart of garments washing. 1.4 List out the raw materials used for garments washing. 1.5 List the advantages of garments washing. 1.6 List the disadvantages of garments washing. 1.7 List the effects of garments washing.	1) To gain knowledge about the concept of garment washing. 2) To know about the advantages & disadvantages of garment washing.	Text Book, marker & Link: Types of Gar...
2	GARMENTS WASHING & DYEING MACHINERY 2.1 List the machinery used in garments washing & dyeing plants. 2.2. Classify garments washing & dyeing	1) To gain knowledge about Process flow chart of AM. 2) To know the	Text book, marker & Link: Garments Wa...

	<p>machines.</p> <p>2.3 Describe the working principle of a pedal washing & dyeing machine.</p> <p>2.4 Illustrate working principles of conventional, modern rotary washing & dyeing machines.</p> <p>2.5 State hydro-extractor and dryer.</p>	layout plans in the AM unit.	
QUIZ TEST 1 (Date:)		Evaluation of Chapter-1	Questions & answers script
3	<p>CLASSIFICATION OF GARMENTS WASHING</p> <p>3.1 Classify garments washing.</p> <p>3.2 List the name of washing chemicals.</p> <p>3.3 Discuss various washing chemicals.</p> <p>3.4 Store the preservations of washing chemicals.</p> <p>3.5 Mention the preventive measures of workers in the washing plant.</p>	<p>1) To gain knowledge about dyeing and the basics of dyestuffs.</p>	<p>Text Book, Marker & Link:</p> <p> TYPES OF ...</p>
4	<p>WET PROCESS OF GARMENTS WASHING</p> <p>4.1 Define garments washing.</p> <p>4.2 Classify wet process of garments washing.</p> <p>4.3 Discuss the process of normal washing.</p> <p>4.4 State the process of caustic wash.</p> <p>4.5 Discuss the process of bleach wash.</p> <p>4.6 Describe the process of pigment wash.</p> <p>4.7 Discuss the process of stone-enzyme wash.</p> <p>4.8 Explain the process of acid wash.</p> <p>4.9 List the advantages and disadvantages of the wet process of garments washing.</p>	<p>1) To gain knowledge about all measurement points.</p> <p>2) To know how to do sketches of woman and man standard body measurements. points</p>	<p>Text Book, Marker & Link:</p> <p> Garments wa...</p>
CLASS TEST 1 (Date:)		Evaluation of Chapter-2 & 3	Questions & answers script
5	<p>DRY PROCESS OF GARMENTS WASHING</p> <p>5.1 Define the dry process of garments washing.</p> <p>5.2 List different types of dry washing.</p> <p>5.3 Describe the procedure of hand scraping.</p> <p>5.4 State the procedure of whiskering.</p> <p>5.5 Describe the procedure of grinding and destroying.</p> <p>5.6 Explain the procedure of PP spray.</p> <p>5.7 Describe the procedure of wrinkles.</p> <p>5.8 List the advantages and disadvantages of the dry process of garments washing.</p>	<p>1) To gain knowledge about Tech-Pack.</p> <p>2) To gain knowledge about Spec sheets, Measure points.</p>	<p>Text Book, Marker & Link:</p> <p> All Dry Proc...</p>
MID TERM EXAM-(Exam starts from)		Syllabus: Chapter	Questions &

		01-05	answers script
6	CONCEPTS OF GARMENTS DYEING 6.1 Define garments dyeing. 6.2 State the objects of garments dyed. 6.3 Classify garments dyeing. 6.4 List out the raw materials used for garments dyeing. 6.5 Discuss the selection criteria of trims and accessories before garments dyeing.	1) To gain knowledge about Pattern making of a garment. 2) To gain knowledge about components.	Text Book, Marker & Link: DYEING PR...
7	TECHNIQUES OF GARMENTS DYEING 7.1 Explain Dip dyeing techniques. 7.2 State Tie-dyeing techniques. 7.3 Describe Boutique dyeing techniques. 7.4 Describe Tinting and Over dyeing techniques.	1)To gain knowledge about Pattern grading of a garment.	Text book,, Marker, Pattern Paper & Link: How to Do O...
QUIZ TEST 2 (Date:)		Evaluation of Chapter-4 & 5	Questions & answers script
8	PROCESSES OF GARMENTS DYEING 8.1 List the ingredients of the dyeing recipe. 8.2 Discuss the importance of dyeing recipes. 8.3 Describe garments dyeing with reactive dye. 8.4 Describe garments dyeing with direct dye. 8.4 State the garments dyed with vat dye. 8.5 Describe garments dyed with pigment dye. 8.6 Explain the garments dyed with sulfur dye. 8.7 State the advantages and disadvantages of garments dyeing.	1)To gain knowledge about Garment's Markers. 2) To know about marker efficiency & methods of marker making.	Text book, Marker & Link: Knit Fabric ...
9	GARMENTS ACCESSORIES DYEING 9.1 State the process of sewing thread dyeing. 9.2 List out the machinery used for sewing thread dyeing. 9.3 Describe the process of zipper dyeing. 9.4 Discuss machinery used for zipper dyeing. 9.5 Describe process of button dyeing. 9.6 Discuss machinery used for button dyeing.	1) To know about CAD & CAM 2) To know the difference between CAD & CAM.	Text book, Marker & Link: Garment & ...
CLASS TEST 2 (Date:)		Evaluation of Chapter-6 & 7	Questions & answers script
10	SPECIAL WASHING AND DYEING OF GARMENTS 10.1 state different special washing and dyeing techniques of garments.	1) To gain knowledge about digitizing & plotting 2) Also know about	Text book, Marker & Link: Ozone Proce...

10.2 Describe the ozone wash process. 10.3 Discuss the laser wash process. 10.4 State the oil wash process. 10.5 Discuss the burn wash process. 10.6 Explain the double dyeing process on blended garments. 10.7 Discuss the towel bleach wash process.	the working procedure and plotting systems.	
Total Class/ Quiz Test: 4	Total Class: 40	

PRACTICAL LESSON PLAN

Exp. No.	Experiment Names	Submission date
1	PERFORM THE APPLICATION PROCEDURE OF CAUSTIC WASH ON GARMENTS 2.1 Identify the fabric, relevant chemicals, auxiliaries and machinery. 2.2 Calculate the chemicals and auxiliaries to obtain the required shed. 2.3 Perform the washing operation. 2.4 Maintain the record of the experiment performed.	Within next 7 days
2	PERFORM THE APPLICATION PROCEDURE OF STONE-ENZYME WASH ON GARMENTS 4.1 Identify the fabric, relevant chemicals, auxiliaries and machinery. 4.2 Calculate the chemicals and auxiliaries to obtain the required shed. 4.3 Perform the washing operation. 4.4 Maintain the record of the experiment performed.	Within next 7 days
3	PERFORM THE APPLICATION PROCEDURE OF VAT DYES ON COTTON GARMENTS 8.1 Identify the relevant dyes, chemicals, auxiliaries and machineries. 8.2 Calculate the chemicals and auxiliaries to obtain the required Shade. 8.3 Perform the dyeing operation. 8.4 Maintain the record of performed experiments.	Within next 7 days
4	PERFORM THE APPLICATION PROCEDURE OF SULFUR DYE ON DENIM GARMENTS 9.1 Identify the relevant dyes, chemicals, auxiliaries and machineries. 9.2 Calculate the chemicals and auxiliaries to obtain the required Shade. 9.3 Perform the dyeing operation. 9.4 Maintain the record of the experiment performed.	Within next 7 days

5	PERFORM GARMENTS ACCESSORIES DYEING 10.1 Identify the relevant dyes, chemicals, tools, materials, auxiliaries and machineries. 10.2 Calculate the chemicals and auxiliaries to obtain the required shade. 10.3 Perform the dyeing operation. 10.4 Maintain the record of the experiment performed.	Within next 7 days
Last submission date:		Total Classes: 5