

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA IN TEXTILE PROCESSING TECHNOLOGY
SEMESTER: V

Subject Name: **Practices in Quality Control in Wet Processing**

Sr. No.	List of Practical
1.	To evaluate the efficiency of Desizing process with reference to quality and process control.
2.	To compare the dye uptake capacity of mercerized and unmercerized cotton fabric.
3.	To carry out Cuprammonium Fluidity test and Copper Number test for mercerized fabrics.
4.	To observe the effect of pH on the results of bleaching of different quality of fabrics.
5.	To study the effect of pH on the results of dyeing of nylon fabrics with acid dye.
6.	To find out Yellowness and Whiteness Index of scoured and bleached fabrics using Computer Colour Matching system (CCM).
7.	To observe the effect of the treatment of various OBAs on the whiteness of the different quality of fabrics under various light sources of Colour matching cabinet.
8.	To identify the different types of stains on fabric and then carry out their remedial process.
9.	To perform the Washing Fastness Test as per International standard using Launderometer.
10.	To perform the Light Fastness Test of various dyestuffs using Fad-O-Meter.
11.	To perform the rubbing fastness test for various Azoic dyed fabrics using Crockmeter.
12.	To perform the Sublimation Fastness test for disperse dyed polyester fabrics using Sublimation fastness tester.
13.	To perform the perspiration fastness test of different dyed fabrics dyed with various classes of dyestuffs.
14.	To understand the cost control and quality control by printing different recipes of print pastes.
15.	To compare the various thickening agents with reference to flow property using Red Wood Viscometer.

16.	To compare the behavior of various thickening agents with reference to paste preparation, its stability, its pH sensitivity and compatibility.
17.	To compare the dye fixation results of printed fabrics using different fixation methods for the same dye.
18.	To study the effect of Heat setting on the result of dyeing of polyester fabric with disperse dyes.
19.	To perform the %age shrinkage test for evaluating the pre shrinking process carried out on sanforizing machine.
20.	To find out the efficiency of crease resistant finish by measuring the crease recovery angle using crease recovery tester.
21.	To measure the pilling behavior of the given blended fabric using pilling tester.
22.	To find out the efficiency of water repellent finish using spray test method.
23.	Prepare at least 4-5 Power point slides using computer system indicating the Latest Practical Aspects in Quality Control in Wet Processing. (in a group of 5 students)
24.	Prepare a printed hand out (3-4 pages) using computer system about Latest Practical Aspects in Quality Control in Wet Processing by searching suitable websites using Internet Technology. (in a group of 5 students)