

MONTHLY SYLLABUS
SESSION-2016-17
CLASS-XII (VOCATIONAL)
SUBJECT : TEXTILE CHEMICAL PROCESSING CODE-779
THEORY : 50 / PRACTICAL : 50

MONTH	CONTENTS
April 2016	<p style="text-align: center;">THEORY</p> <p>INTRODUCTION OF SYLLABUS IN PRODUCTION TO CHEMICAL PROCESSING - PRETREATMENTS</p> <ul style="list-style-type: none"> • Textile chemical processing for Fibers • Impurities present in the natural & synthetic, Fibers • Elementary knowledge of processing. • Different Processes, eg. De - Sizing, Singeing, scouring, bleaching and mercerizing. <p style="text-align: center;">PRACTICAL</p> <ul style="list-style-type: none"> • Desizing of cotton fabrics by Acid Desizing method and calculate the weight loss in the process. • Securing of cotton by Sodium hydroxide and measure water permeability of the process.
May 2016	<p style="text-align: center;">THEORY</p> <p>DYEING</p> <ul style="list-style-type: none"> • Suitability of dyes and dyeing methods important classes of dyes for natural and man-made fibers eg., direct, acid, basic. <p style="text-align: center;">PRACTICAL</p> <ul style="list-style-type: none"> • Bleach the cotton fabric with the bleaching powder or

	<p>sodium hypo chlorit.</p> <p>11.05.2016 - 30.06.2016</p> <p>ON THE JOB TRAINING</p>
July 2016	<p>THEORY</p> <p>DYEING</p> <ul style="list-style-type: none"> • Vat dyes • Azoic dyes • Suffer & Disperse dyes. • Important features of dyes. • Dyeing machines & Special dyeing effects <p>PRINTING</p> <ul style="list-style-type: none"> • Printing based Ingredients <p>PRACTICAL</p> <ul style="list-style-type: none"> • Bleach the cotton fabric by hydrogen peroxide. • Dyeing of cotton with direct Dyes • Dyeing of cotton with Azo dyes
August 2016	<p>THEORY</p> <ul style="list-style-type: none"> • Introduction to various methods of printing, Specific Features ana Limitations of Various Methods: • Hand block printing • Hand screen printing • Rotary Screen Printing • Heat transfer Printing <p>PRACTICAL</p> <ul style="list-style-type: none"> • Dyeing of wool with Acid Dyes.

	<ul style="list-style-type: none"> • Dyeing of silk with Acid Dyes. • Degumming of the silk
September 2016	<ul style="list-style-type: none"> • (01.09.2016- 07.09.2016) Revision • (08.09-20 16 - 22.09.20 16) SA-I EXAMS • (23.09-2016 - 30.092016) discussion of SA-1 Exam Questions Paper <p style="text-align: center;">SA-II Syllabus</p> <p style="text-align: center;">THEORY</p> <ul style="list-style-type: none"> • Styles of Printing • Direct Style • Discharge Prints • Resist Style <p style="text-align: center;">PRACTICAL</p> <ul style="list-style-type: none"> • Bleaching of the Silk with hydrogen peroxide.
October 2016	<p style="text-align: center;">THEORY</p> <ul style="list-style-type: none"> • Styles of printings • Pigment Prints • Blotch Prints • (08.10-2016 - 11.09.2016) Autumn Break • Flock Prints • Burnout Prints • Duplex Prints • Engineered Prints • Wrap Prints

	<p>And their Specific feature for their identification.</p> <p>Finishing</p> <p>CLASSIFICATION OF THE FINISHES:</p> <ul style="list-style-type: none"> • According to designer/Merchandiser/Sales persons • According to Textile chemist • According to Degree of Performance <p style="text-align: center;">PRCTICAL</p> <ul style="list-style-type: none"> • Dyeing of cotton with Reactive dyes • Dyeing of cotton with vat dyes
November 2016	<p style="text-align: center;">THEORY</p> <p>OBJECTIVES OF THE VARIOUS FINISHES</p> <ul style="list-style-type: none"> • Types of Calendaring and its objective • Napping • Emerizing • Parchmentizing • Shape retention Finishes • Shrinkage Control Finishes • Sanforizing • Decatizing • Soil Release/ stain Repellent Finish • Water Repellent & Water proofing • Avti - Microbial finish • Garment Washing.

	<p style="text-align: center;">PRACTICAL</p> <ul style="list-style-type: none"> • Dyeing of cotton with sulphur dyes. • Dyeing of wool with Reactive dyes • Dyeing of Nylon with Acid Dyes • (23.11.2016 - 30.11.2016) Revision
December 2016	<ul style="list-style-type: none"> • (01.12.2016 - 07.12.2016) Revision • (08.12.2016 - 19.12.2016) Mock test • (20.12.2016 - 30.12.2016) Block Teaching <p>(31.12.2016 - 15.01.2017) On The Job Training</p>
January 2017	<ul style="list-style-type: none"> • 16.01.17 - 31.01.17 Pre Board Examination
February 2017	<ul style="list-style-type: none"> • Discussion of Pre- Board Examination • (01.02.2017 - 15.02.2017) Annual Board Practical • (16.02.2017 - 28.02.2017) Theory Revision • (01.03.2017 - Till End CBSE Final Exam).