

TRADE: TEXTILE DESIGNING  
12<sup>th</sup> VOCATIONAL  
Syllabus Term -1st  
TEXTILE TESTING AND FINISHING

PAPER - I

PAPER CODE -105

1. Water: Types and Uses in Textile Industry.
2. Hard Water: Types of Hardness, Methods of Removing of Hardness of Water.
3. Dis-Advantages of Hard Water on Boiler Stage. Pre Treatment, Dyeing/Printing, after Treatment (Printing, Finishing) Stages.
4. Study of Various kinds of Advanced Finishing Processes used in Textiles - Shearing, Raising. Decatizing. Sanforization. Mercerisation, Starching. Weightening Finish, Crease, Resistance, Calendaring. Anti-Static their Importance and Uses.
5. Study of Various kinds of Finishing Process used in Textile- Fire Resist and Fire Proof Finish, Mildew Proof Finish, Moth Proof Finish, Water Proof Finish and Water Resist their Importance and Uses.
6. Introduction to Dry and Wet Cleaning their Importance and Uses.

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TEXTILE DESIGNING AND PRINTING- II

PAPER CODE - 104  
PAPER - II

1. Classification of Printing Styles - Direct, Discharge and Resist Styles.
2. Direct Style-Block and screen Printing.
3. Discharge Style-Oxidation and Reduction Printing
4. Resist Style-Batik, Tie and Dye and Chemical Resist Printing.
5. Introduction to Digital Printing.
6. Printing of Cotton Fabric using Direct Dyes, Rapid Fast Dyes, Reactive Dyes with Direct Style.

HARDIP SINGH (VOCATIONAL MASTER)  
G. S. S. SCHOOL BHARATGARH (ROPAR)  
MOB. 9256248879

PAPER - 3

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TEXTILE DYEING- II

PAPER CODE - 106

1. Scouring and Bleaching of Acetate Rayon, and Acrylic (Cashmilon), Cotton, Silk, Wool.
2. Dyeing of Polyester with Disperse Dyes using Conventional Carrier and High Temperature/High Pressure Method.
3. Properties and Applications of Basic Dyes on Cashmilon.
4. Dyeing of Nylon with Acid Dyes and Direct Dyes.
5. Application of Direct Dyes on Viscose.
6. Dyeing of Blended Yarn (Poly/Wool, Terrycot) with Disperse Dye, Acid and Reactive Dye in Double Bath