

14. Textile Craft

B.A. Part-II 2021

SCHEME : B.A/B.Com PART-II

		Duration	Max mark	Min mark
1. Theory:	Paper-I	3Hrs	30	22
	Paper-II	3 Hrs	30	
2. Practical :	Paper-I	3Hrs	35	25
	Paper-II	3 Hrs	35	
3. Submission	Paper-I		35	25
	Paper-II		35	

Paper-I : Weaving Theory-I

UNIT-I

Yarn numbering system –Indirect (cotton, metric, woollen and worsted count) and Direct (Tex and Denier)

Yarn Twist and their types, Balance of fabric

Methods of fabric construction: Braiding & Lacing, knitting, felting and weaving

UNIT-II

Types of loom- Shuttle & Shuttle less; introduction to shuttleless looms- airjet, waterjet, projectile and rapier loom

Preparation of Warp and Weft for weaving

Draft, Peg plan, Weave, Repeat, Design

UNIT-III

Derivatives of Plain weave- Rib and Basket

Derivative of twill weave- Regular, Irregular, Left hand, Right hand,

Pointed and curved twill

Fabric defects, Selvedge, Types of Selvedge's

Paper-II: Dyeing Theory –I

UNIT-I

Difference between dyeing and printing

Mechanical finishes- basic process of beating, singeing, napping, calendaring and embossing.

UNIT-II

Stages of Dyeing (fibre, yarn & fabric)

Wool dyeing and silk dyeing

Dyeing machines- Jigger and Winch dyeing machine

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UNIT-III

Steps of printing- preparation of cloth & colour
Methods of Direct printing- Block & Roller printing
Thickeners and types of thickeners

Practical (Paper-I)

1. Thread count and Balance of the cloth
2. Weave samples of derivatives of plain and twill weave

Practical (Paper-II)

1. Introduction to motif, repeat and layout
2. Block printing- samples preparation
3. Batik-spot, crack, scratch and painting (samples)

Submission (Paper-I)

1. Assessment of samples
2. Preparation of weave samples

Submission (Paper-II)

1. Any one article using block
2. Any one article using batik

Examination Scheme:

One Major Problem: 20 Marks

One Minor Problem: 15 Marks

Reference books :

Sahnai, V.A. (1989) Theory of Dyeing, Sevak publications. Mumbai

Trotman, E.R. (1985) Technology of Dyeing, John wiley & sons Inc London. London

Pryag, R.S. (1994) Technology of Printing, India publisher.

Pryag, R.S. (1995) Technology of Finishing, India publisher.

Bucker, (1998) Textiles, Abhishek publications.

Kulkarni, M.M., Weaving technology, Virindra publication, Jalgon

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