

Fashion Studies

Practical Exercises 5 - 8 are based on Chapter 2: Introduction to Fibers, Dyeing and Printing

PRACTICAL EXERCISE 5

Objectives

1. To enable the students to identity and distinguish between the different fibres through burning test.

Material requirement

- ➡ Ivory sheets
- ➡ Scissor
- Small Bunsen burner
- ➡ Forceps
- Pins
- ➡ Beaker with water
- Any 5 fabric samples of 10cm*10 cm each of the following composition:
 - 1. Cotton 4. Polyester
 - 2. Wool 5. Acrylic
 - 3. Silk

Procedure

- 1. Collect 5 different fabric samples (5cm by 5 cm) of cotton, polyester, wool, silk and acrylic.
- 2. Take out few yarns from each of the samples and burn the yarns using a small flame with the help of forceps.
- 3. Observe the samples as they burn.
- 4. Observe whether the fibres melt or form a hard beard or ash and identify the burning smell that is emitted.
- 5. Identify the samples from the smell and the residue after burning.
- 6. Make a table in the ivory sheet and paste the sample of fibre and write down the observations.

Observation and Discussion

1. Explain the significance of identification of fibres.

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PRACTICAL EXERCISE 6

Objective

1. To enable students to identify the basic weaves in fabrics

Material requirement

- 1. Ivory sheet
- 2. Scissor, glue
- 3. Any 5 fabric samples of 10cm*10 cm each of the following weaves:
 - ➡ Plain: 2 samples
 - ► Twill : 2 samples
 - Sateen : 1 sample

Procedure

- 1. Take 5 fabric swatches of 10 cm * 10 cms each of basic weave patterns.
- 2. Observe the two sets of yarn, see how the warp and weft yarns move up & down for interlacement
- 3. Identify the warp and the weft
- 4. Find out the type of weave (plain, twill or sateen) of each of the fabric samples.
- 5. Present it neatly on the ivory sheet.

Observation and Discussion

1. Discuss the different basic weaves.

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Fashion Studies

PRACTICAL EXERCISE 7

Objective

1. To enable students to identify the different printing techniques on fabric

Material requirement

- 1. Ivory sheet
- 2. Scissor, glue
- 3. Any 5 printed fabric samples 10cm*10 cm preferably of the following printing techniques:
 - a. Block printed : 2 samples
 - b. Thermal Transfer printed: 1 sample
 - c. Screen printed: 1 sample
 - d. Digital printed: 1 sample

Procedure

- 1. Take 5 fabric swatches of 10 cm * 10 cms each of different printed patterns.
- 2. Observe the type of print, how many colours have been used in the print.
- 3. Identify the method of printing.
- 4. Present it neatly on the ivory sheet.

Observation and Discussion

1. Discuss the different methods of printing on textiles.

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PRACTICAL EXERCISE 8

Objective

1. To enable students to understand the applications and end uses of different textile structures.

Material requirement

- 1. Ivory sheet
- 2. Scissor, glue
- 3. Any 20 fabric samples consisting of different types of weaves, prints, structures, etc. (example: plain woven samples for dress material, velvet, canvas, heavy weight upholstery fabric, chiffon, denim, stretchable fabric etc.)

Procedure

- 1. Select 5 of each fabric swatch of 10 cm by 10 cm each.
- 2. Observe the type of print, colours, thickness, feel and the comfort properties of each sample.
- 3. Identify the end uses of each of the fabric samples.
- 4. Present it neatly on the ivory sheet.

Observation and Discussion

1. Explain how the end uses differ based on the design and property of the fabric.