



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 identify 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
 2. Wool
 3. Silk
 4. Polyester
 5. Acrylic

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 bead 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.



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.

