

INTRODUCTION

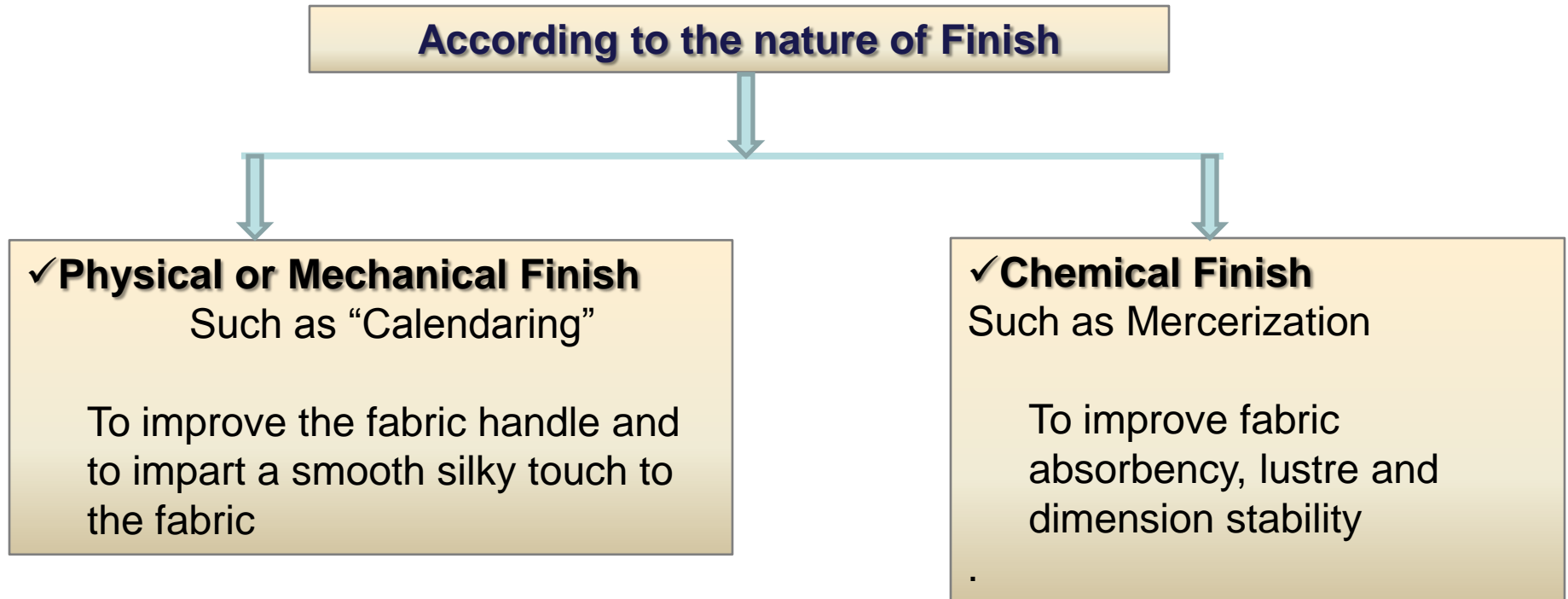
- Dyeing and printing is not the ultimate steps
- Something is required to make the fabric more suitable for end-use
- Quality of the fabric in terms of appearance, handle, functionally enhanced by some physical means or by chemicals
- Therefore, ultimate value addition is done to the fabric by finishing

What is finishing?

- **Finishing is a process in which fabric is treated with some mechanical or chemical process before or after dyeing or printing to give the fabric a**
- **novelty touch,**
- Good appearance
- Desirable feel
- Impart certain durable properties (Stiffness, Softness etc).
- To impart some desired functional properties

Classification of finishing

- **Classification according to the nature of finish**



Classification of finishing process

1. Physical or Mechanical finishing process

When the finishing process is done by some mechanical means including heat treatment of fabric.

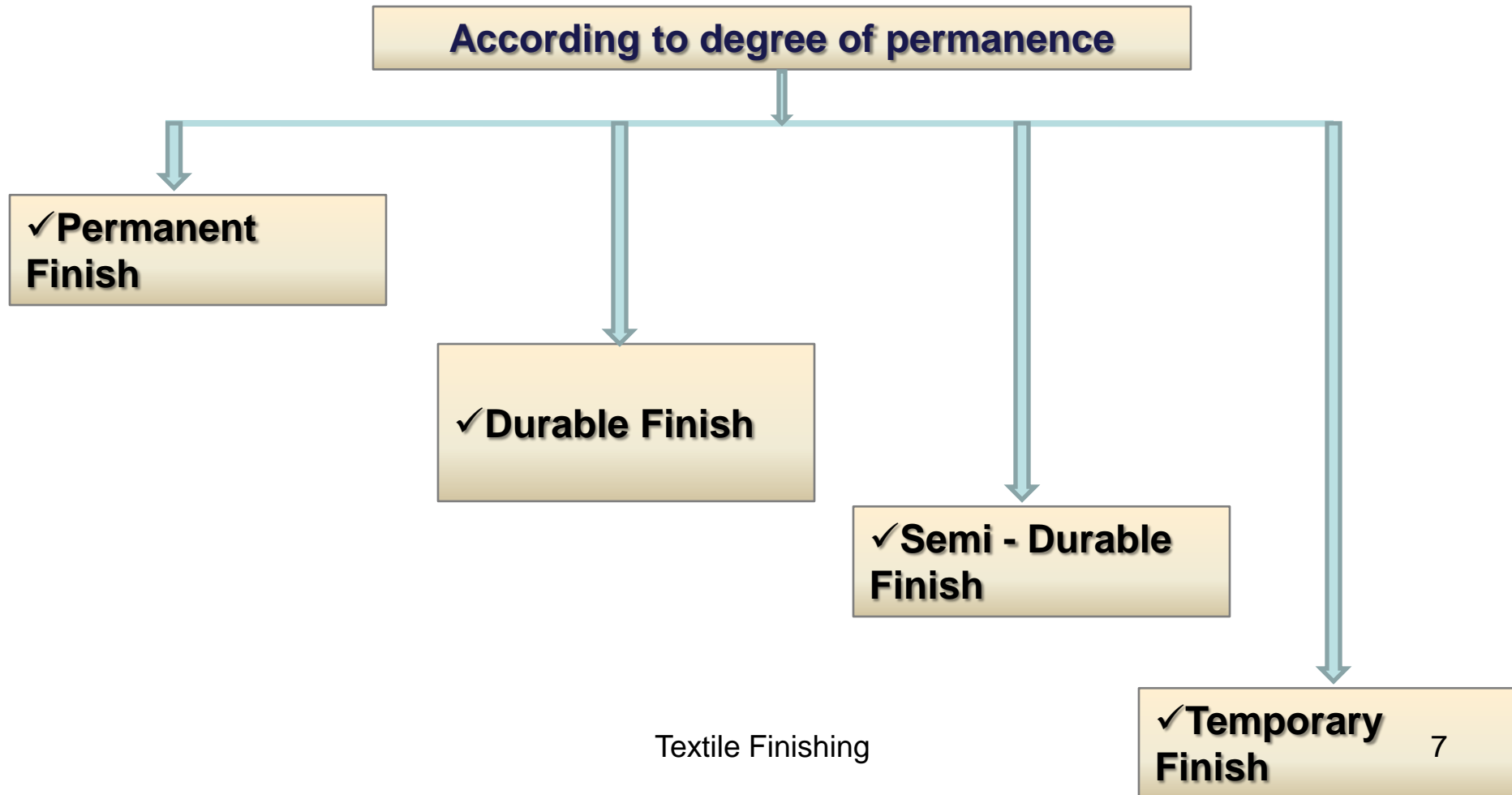
2. Chemical finishing process

When the fabric is treated with some chemical solution during finishing treatment.

- Physical or Mechanical Finish
 - Mechanical / Physical finishes involve specific physical treatment to a fabric surface to cause a change in the fabric appearance
 - Also known as dry finish
 - » Calendaring
 - » Shearing
- Chemical Finish
 - Chemicals are used followed by curing or drying
 - Also known as wet finish

Classification of finishing

- Classification according to degree of permanence



Definitions

- Permanent Finish: Usually involve a chemical change in fibre structure and do not change or alter through out the life of the fabric
- Durable finish: Usually last through the life of the article, but effectiveness becomes diminished after each cleaning; and near the end of the normal use life of the article, the finish is nearly removed
- Semi-durable finish: Last through several laundering or dry-cleanings and many are renewable in home laundering or dry-cleaning
- Temporary finish: Are removed or substantially diminished the first time the article is laundered or dry-cleaned

Classification of finishing

- **Classification according to performance**

According to Performance

```
graph TD; A[According to Performance] --> B[✓ Aesthetic Finish– Improved / Altered Appearance]; A --> C[✓ Functional Finish– Improved / Altered Performance];
```

✓ **Aesthetic Finish– Improved / Altered Appearance**

1. Calendering
2. Mercerization
3. Shearing

✓ **Functional Finish– Improved / Altered Performance**

1. Crease resistant
2. Waterproof
3. Flame resistant

Classification according to Performance

- Aesthetic Finish
 - These finishes modify the appearance and / or hand or drape of fabrics
- Functional Finish
 - These finishes improve the performance properties of fabrics

Make a Review of Textile Processing Flow

