

**CHAPTER 03****ANIMAL FIBRE****FIBRE:**

Clothes rightly recognized as “The second skin.” At every stage of life and in every ceremony, clothes play an important role. They cover our body and protect us from adverse climatic conditions.

You know that fibres are what fabrics made of. A fibre is a thin thread like strand from which the cloth made. Fibres weaved to make fabrics. The source of fibers may be Natural or Man - made.

**Natural fibres** were the first fibres used to construct fabrics and mainly of two groups.

- I) Plant fibres
- II) Animal fibres

Plant fibres are cellulose based and animal fibres are protein based.

We get plant fibres from cotton, jute and coconut plants to make different kinds of fabrics.

**How can we get animal fibres?**

We get animal fibres like silk and wool from silk worms, sheep, goat etc.

**Man** made fibres made in laboratories using chemicals and these are of two types.

- i) Regenerated fibres and
- ii) Synthetic fibres.

## FIBRE TO FABRIC

Fabric is a pliable, strong sheet made from fibres or yarns.

There are mainly three stages involved in creating a fabric.

**Fibre** → **Yarn** → **Fabric**

Different processes are involved in each stage and different combinations create a wide variety of fabrics.

**Fibre** is a long strand or thread, which is flexible. It is the base for constructing variety of fabrics. We can get fibres from plants or animals. This natural form of fibre continuously processed to form a yarn.



**Yarn** is made up of individual fibres twisted together to form a continuous length of interlocked fibres.



**Fabric** when natural or artificial fibres spun into yarns, a fabric creates by techniques like weaving, knitting etc.



Animal fibres made up of different types of proteins and are generally textile. Animal fibres generally produced from animal's fur, skin, hair or even secretion in the case of silkworm. The extracted fibres, woven or knitted to form beautiful animal fabrics.

The most common animal fibres in the clothing industry today are silk and wool.