

Define the following:

1. **Cotton wool**:- Fluffy cotton fibre is called cotton wool.
2. **Fabric**:- A continuous piece of cloth, generally used for making dress material.
3. **Fibre**:- A long, narrow and thin tube like structure which found in plants and animals.
4. **Knitting**:-Knitting is a method by which a single thread or yarn may be turned into cloth with the help of hand or machine.
5. **Spinning**:- the process of twisting the fibres so as to make a stronger thread is called spinning.
6. **Weaving**:- The process of arranging two sets of yarns together to make a fabric with the help of a handloom or power loom is called weaving.
- 7.

Q-1 Why do we wear cloths?

Ans. Clothes protect us from heat, cold, rain, dust and insects. Clothes make us to look beautiful and attractive.

Q-2 What are natural and synthetic fibres?

Ans:-Natural fibres:- The fibres which are obtained from parts of plants or animal are called natural fibres.

Synthetic fibres:- the fibres made by man by complex chemical processes are called synthetic fibres.

Q.3 Name two man-made and two natural fibres.

Ans:- Man-made fibres:- Nylon, terylene and polyester.

Natural fibres:- Cotton, jute silk and wool.

Q.4 from which part of the plant cotton and jute are obtained?

Ans:-Cotton is obtained from cotton seeds which are covered with cotton fibres.

Jute is obtained by retting process from the stem of jute plant.

Q.5 Give the uses of (i)cotton (ii) jute

Ans:- (i)Uses of cotton:-1. Cotton is used in the manufacturing of cotton textiles and undergarments.

2. Cleaned raw cotton is used as absorbent in hospitals.

3. It is also used as fillers in pillows, quilts and mattresses.
- (ii) Uses of jute:-
1. Jute is extensively used in the packaging cloth.
 2. It is used in making sacks and ropes.
 3. High quality jute is used for making carpets and curtains.

Q.6 Explain the process of making yarn from fibre. Name some hand operated device used for spinning.

Ans:- The process of making yarn from fibre is called spinning. In this process fibre from pinch cotton wool are drawn out and twisted.

Process:-

1. Hold some cotton in one hand, say right hand.

2. Now pinch some cotton between thumb and forefinger of your other hand.

3. Now gently and slowly start pulling out the cotton and simultaneously twisting the fibre.

4. You will be getting a yarn.

The various hand operated devices used for spinning are:

1. Hand spindle (Takli)
2. Spinning wheel (Charkha)

On large scale spinning is done with the help of spinning machines.