Introduction to Fabric Manufacturing

FAQ

1) Classify fabrics according to manufacturing technologies. Fabrics require different performance or structural criteria depending on end use. Explain with relevant examples.

2) What are the primary, secondary and auxiliary motions in weaving? Why all these motions have to be synchronized for continuous production of fabrics?

3) Define cover factor and crimp. Discuss their role in influencing various fabric properties.

4) What are web formation and web bonding with respect to nonwoven process?

5) Describe the needle punching process with suitable diagram. How the punch density (number of punched/cm²) can be increased in a needle punched fabrics?

6) What are the various applications of hydroentangled fabrics? Describe the hydroentanglement process with neat diagram.

7) What are the differences between single jersey and rib (double jersey) fabrics? Explain the sequence of loop formation in the knitting process.

8) What are the various components of a latch needle? How the latch opens and closes during the loop formation process in knitting?

9) What are wales and courses in a knitted fabric? How can you identify the face side and back side of a single jersey fabric?

10) What are single jersey, double jersey and interlock fabrics? Compare the properties (Thickness, stretchability, curling and porosity) of these fabrics.