

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.