

Jaya Engineering College

Department of Textile Technology

TT6403 - TECHNOLOGY OF YARN SPINNING

UNIT I

1. Explain the working of Ring spinning machine with relevant sketches.
2. Explain the working of cop building mechanism in Ring spinning machine with relevant sketches.
3. Discuss the different types of Rings used in Ring frame with suitable sketches.
4. Briefly discuss the types of Travelers used in Ring spinning machine.
5. With relevant sketches explain the types of Drives.
6. What are the causes and remedies for end breakages in ring spinning machine?

UNIT II

1. With neat sketches explain the Com4spin process
2. With neat sketches explain the EliTe Spinning system.
3. Explain about the advantages and disadvantages in condensed yarn spinning.
4. With neat sketches explain the Rocos compact Spinning system.
5. Compare the properties of condensed yarn with the ring spun yarn.
6. Explain the principle of DREFF compact spinning process with suitable sketches.

UNIT III

1. Explain the working of Two For One Twister and explain the twist insertion.
2. Explain the types fancy yarns production and its structure.
3. Explain the working of Ring doubling machine and explain the twist insertion.
4. Explain the types fancy yarns production and its structure which are not produced from ring spinning machine

UNIT IV

1. Explain the types of Navels and Rotor grooves.
2. Explain the mechanism of yarn forming in Rotor spinning with relevant sketches.
3. Explain the working of ROTOR spinning machine with relevant sketches.
4. Explain the types of opening rollers used in rotor spinning machine.

UNIT V

1. With neat sketches explain the DREFF – II friction spinning machine.
2. Explain the working DREFF - V machine with relevant sketches.
3. Explain the concept of self twist yarn production in ring spinning machine.
4. With neat sketches explain the core spinning machine

5. With neat sketches explain the wrap spinning machine
6. Explain about the structure and properties of friction yarns and its applications.

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