

TT L222 Yarn Manufacture II

Major

Date: 05.05.2010

Time: 2 hrs

Marks: 40

- 3
1. Explain the basic differences in the double apron drafting systems used in roving frame and ring frame.
- 6
2. With neat diagrams, describe the auto-doffing system in a modern ring frame.
- 6
3. Describe, with neat sketches, the technological differences in the compact spinning systems of Rieter (CoM4), Suessen (EliTe) and Zinser (CompAct) and their relative merits and demerits.
- 5
4. Describe in details, with neat schematic diagram, the principle of two-for-one twister (TFO).
- 5×4= 20
5. Write short notes on the followings with reference to ring frame;
 - a. Angle of lead in ring frame and its impact
 - b. Significance of underwindings of in ring bobbin
 - c. Running-in time and fibre lubrication
 - d. Causes and remedies of excessive thick and thin places and slubs in ring spun yarn
 - e. Mule spinning system