Sixth Semester
Textile Technology
Scheme July 2008
MODERN SPINNING TECHNOLOGIES

Time : Three Hours *Maximum Marks : 100*

Note : Attempt total *six* questions. Question No. **1** is compulsory. From the remaining questions attempt any *five*.

1. Write short answer of the following: 2 each
   a) Object of fine openers.
   b) How will you select fibres for air-jet spinning?
   c) Problem associated with ring spinning.
   d) How will you select fibres for friction spinning.
   e) Objects of end break aspirator

2. a) With neat sketches explain the principle and working of open loop and closed loop levelling system. 13
   b) What is heavy part and metal separator? Where it is used? 5

3. a) With neat sketches explain the principle of self twist spinning. 13
   b) What is Zellweger Ring Data? Explain. 5

4. a) With the help of a neat and labelled diagram explain the working of Rieter Unimix. 13
   b) What are the advantages of unconventional spinning processes. 5

5. a) With neat sketches explain the working of Rieter Unifloc. 13
   b) Mention the applications of rotor and friction spun yarn. 5

6. a) What are the objects of Rieter Flock Feeder? Sketch and explain its working. 12

   b) What is monitoring? Explain. 6

7. a) With a neat sketch explain how long term autolevelling is done in a card. 10

   b) Compare the advantages and disadvantages of ring spun yarn and open end yarn. 8

8. Write short notes on any three of the following: 6 each

   a) Dedusting machine

   b) COM-4 spg.

   c) Automatic can transport system

   d) RN cleaner.