

**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) Handle of rotor spun yarn.
  - b) Feed material for Air-Jet spinning.
  - c) Objects of fire detection system.
  - d) Problem of unconventional spinning processes
  - e) Objects of coarse openers.
  
2.
  - a) What do you understand by Short term, Medium term and Long term variations? Explain. 6
  - b) Sketch and describe the working of Dref-2 spinning machine. 12
  
3.
  - a) With the help of a neat and labelled diagram explain the working of O.E. rotor spinning machine. 14
  - b) What are the objects of roving stop motion. 4
  
4.
  - a) Sketch and explain the working of ERM cleaner. 12
  - b) What is COM-4 spinning? Explain. 6
  
5.
  - a) With the help of a neat and labelled sketch describe the working of a multimixer. 13
  - b) What is Automation? Why it is required. 5

[2]

6. a) Sketch and explain the passage of material through an air-jet spinning machine. 12  
b) Compare Dref-2 and Dref-3 spinning system. 6
7. a) With the help of a neat and labelled diagram describe the working of a Weighing Hopper Feeder. 12  
b) What is CVT-4? Explain. 6
8. Write short notes on any three of the following: 6 each
- a) Rieter Unifloc
  - b) Contamination in Cotton
  - c) Fly frame Automation
  - d) SIRO Yarn

