

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 What is yarn doubling? Explain the effects of doubling and wet and dry system of doubling.
- Q.24 Explain the mechanism of building motion. What is yarn ballooning and its reason?
- Q.25 Define Twist. Explain different types of twists. Discuss the effects of twist on yarn properties.

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5th Sem / Textile Technology

Subject : Spinning Technology - III

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 What is the output of ring frame?
- a) yarn draw sliver b) sliver
c) Yarn d) roving
- Q.2 _____ machine comes just before ring frame machine.
- a) Speed Frame b) Draw frame
c) Winding d) TFO
- Q.3 After twisting the strength of fibre bundle is _____
- a) Increase b) Decrease
c) Same d) none of the above

- Q.4 Separator are used in _____
- a) carding b) Draw frame
c) Blowroom d) Ring frame
- Q.5 Twisting reduce the _____ of fiber strand
- a) Thinness b) Thickness
c) Big size d) Small
- Q.6 The yarn having more tensile strength _____
- a) Ring spun b) Rotor spun
c) Both A & B d) None of these

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 _____ impart twist in the yarn in ring frame.
- Q.8 Define resultant count.
- Q.9 TFO full form is _____.
- Q.10 Shore is a factor which tells us about the degree of _____
- Q.11 Name two types of ring used in ring frame.
- Q.12 Which is more finer 10 Tex/20 Ne.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 What are the objectives of ring frame?
- Q.14 Discuss the different types of ring and travelers.
- Q.15 Explain the working principle of TFO.
- Q.16 Draw and explain the passage of material through the ring frame machine.
- Q.17 Write short note on separator and lappets.
- Q.18 Explain the reason of end brakages in the ring frame along with their remedial measures.
- Q.19 Discuss different type of yarn faults and their remedies.
- Q.20 Write down any four difference between woollen and worsted yarn
- Q.21 Write a short note on core spun yarn, Lycra yarn and slub yarn
- Q.22 Difference between woollen and worsted yarn