

- Q.28 Briefly describe the operating principle of two-nozzle air-jet spinning.
- Q.29 Write a note on objectives of post spinning processes?
- Q.30 Explain how texturing yarn affect fabric made from it?
- Q.31 Explain briefly the two stages of drawing?
- Q.32 Write a note on air jet spinning
- Q.33 Write a short note on basic principle of yarn formation for open end spinning.
- Q.34 What is false twist? Why are yarns given false twist?
- Q.35 Define TM.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Write the advantages of new spinning system over ring spinning system.
- Q.37 Compare the process of rotor spun and ring spun yarn. Give suitable examples.
- Q.38 Explain any one method of open end spinning. Give its objectives and working principle.

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Roll No.

6th Sem / Text. Tech

Subject:- Advanced Yarn Manufacturing / Modern Methods in Yarn Product

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Denier is the measure of
- Yarn thickness
 - Twist
 - weight of 9000 m yarn
 - none of these
- Q.2 S-Twist in yarn appears as
- Fibres going left to right in length of yarn
 - Fibres going right to left in length of yarn
 - running parallel to each other and the length of yarn
 - all of these
- Q.3 Carding is done to
- Straighten the fibres
 - remove impurities
 - make a sheet of fiber
 - all of these
- Q.4 Texturing of yarns
- provides variety for customer
 - changes the shape or texture of yarn
 - varies characteristics of yarn
 - all of these

- Q.5 Which yarns can be heat set
- a) cotton b) silk
 - c) nylon d) jute
- Q.6 Yarn are bleached to
- a) make them shiny
 - b) make it easy to dye them
 - c) make them stiff
 - d) none of these
- Q.7 Texturizing is applied to
- a) fully oriented yarn
 - b) partially oriented yarns
 - c) before spinning yarn
 - d) none of these
- Q.8 DREF is
- a) friction spinning process
 - b) Air jet spinning
 - c) twist less spinning
 - d) water jet spinning
- Q.9 Which of these is not a method of texturing yarn
- a) stuffer box b) false twist
 - c) knit-de-knit d) sizing
- Q.10 Selftwist spinning is done on
- a) multi filament yarns
 - b) wool or wool like fibers
 - c) monofilament yarns
 - d) none of the above

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define spinning.
- Q.12 What does winding mean?
- Q.13 Define S-twist.
- Q.14 Yarn count indicates the _____.
- Q.15 Define blending.
- Q.16 TPI is _____.
- Q.17 Give the production formula of ring spinning.
- Q.18 What is rotor made of?
- Q.19 List advantages of Texturing.
- Q.20 Define drawing.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Define Foy.
- Q.22 Explain the process of drawing?
- Q.23 Write advantages of rotor spun yarn over ring spun yarn.
- Q.24 Explain the principle behind friction spinning.
- Q.25 Explain what is blending. What are the characteristics of fibres required for blending
- Q.26 What is textured yarn?
- Q.27 Why are some yarns partially oriented? How are partially oriented yarns used?