

- 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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# **6th Sem / Text. Tech**

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

Time : 3Hrs. M.M. : 100

M.M. : 100

## **SECTION-A**

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

- Q.1 Denier is the measure of  
a) Yarn thickness      b) Twist  
c) weight of 9000 m yarn d) none of these

Q.2 S-Twist in yarn appears as  
a) Fibres going left to right in length of yarn  
b) Fibres going right to left in length of yarn  
c) running parallel to each other and the length of  
yarn  
d) all of these

Q.3 Carding is done to  
a) Straighten the fibres b) remove impurities  
c) make a sheet of fiber d) all of these

Q.4 Texturing of yarns  
a) provides variety for customer  
b) changes the shape or texture of yarn  
c) varies characteristics of yarn  
d) 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?