

- Q.31 Explain combing cycle with reference to index number for Comber.
- Q.32 What are various factors on which Comber Noil depends?
- Q.33 Explain, how Combed yarn is better than Carded yarn.
- Q.34 Write about differential motion of Sped frame?
- Q.35 Explain winding principle of Speed frame?

Section-D

Note: Long answer questions. Attempt any two question out of three Questions. (2x10=20)

- Q.36 Explain the passage of material through Speed frame in detail with proper diagram and explain its working.
- Q.37 Explain the combing cycle in comber with diagram? Write a short note on Comb noil and explain how to calculate it.
- Q.38 What is the role of Auto leveller in draw frame? Explain its principle and working with suitable diagram?

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4th Sem. / Textile Technology Subject : Spinning Technology-II

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 What is final product of Silver lap machine.
a) Lap b) Roving
c) Sliver d) Yarn
- Q.2 Out of these which one is not a part of Draw frame
a) Flyer b) Auto leveller
c) Top rollers d) Bottom Rollers
- Q.3 Which of the following machine is not used for combing preparation?
a) Carding b) Ring frame
c) Speed frame d) All of above
- Q.4 Generally, how many sliver doubling is given at Draw frame?
a) 3-4 b) 12-16
c) 6-8 d) 1-2
- Q.5 Twist is given in roving at
a) Comber b) Draw frame
c) Ring frame d) Speed frame

- Q.6 No of yards in one Hank in English count is
 a) 560 b) 800
 c) 840 d) 950
- Q.7 Relationship between Denier = 9 x _____
 a) Tex b) Kilo Tex
 c) English Count d) French count
- Q.8 Noil is removed at
 a) Comber b) Draw frame
 c) Speed frame d) Sliver lap
- Q.9 Full form of TPI is
 a) Twist per inch b) Twist Measurement
 c) Traveller per inch d) Temperature per inch
- Q.10 Nippers are part of
 a) Comber b) Draw frame
 c) Speed frame d) Carding

Section-B

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

- Q.11 Feed material to Speed framer is _____.
- Q.12 Write full form of TM?
- Q.13 Write the name of final product produced from Ribbon lapper?
- Q.14 Write two parts of Super lapper machine?
- Q.15 Write the function of Roving frame?
- Q.16 What do you understand by Roller setting?

- Q.17 What is the function of Stop Motion?
- Q.18 What is the purpose of Tension draft?
- Q.19 What is the function of Detaching rollers in Comber?
- Q.20 Write two types of roller weighing system in Speed frame?

Section-C

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

- Q.21 Write the objectives of Super Lap?
- Q.22 Why roller weighing is important in spinning?
- Q.23 Explain working of Ribbon lap with suitable diagram.
- Q.24 What is the importance of Auto leveller in draw frame?
- Q.25 What is the role of Draw frame in Spinning?
- Q.26 What is the importance of Speed frame in Spinning? What is the function of spindle and Drafting Rollers?
- Q.27 Explain the function of builder motion in speed frame with diagram.
- Q.28 Write about various drafting systems in Draw frame with diagram.
- Q.29 Calculate 8 hours production in kilograms of speed frame with 80 spindles, spindle speed 1200 rpm Roving hank 1.1 TPI -1.15 machine efficiency 85%. Assume any data if required.
- Q.30 Explain detaching mechanism of comber?