

- 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?

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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)

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?

- 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 = $9 \times$ _____
 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?