

- Q.27 Explain 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 60 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?

Q.31 Explain combing cycle with reference of index number for Comber.

Q.32 Explain factors on which comber noil depends.

Q.33 Differentiate Carded yarn with Combed yarn.

Q.34 Write about differential motion of Speed frame?

Q.35 Explain winding principle of Speed frame?

## **SECTION-D**

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

- Q.36 Explain passage of material through Draw frame in detail with proper diagram.

Q.37 Explain combing cycle in comber with diagram? Write a short note on Comb noil and explain how to calculate it.

Q.38 What is role of Auto leveller in draw frame? Explain its principle and working with suitable diagram?

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**4th Sem.  
Branch : Text. Tech.  
Sub.: Spinning Technology-II**

Time : 3 Hrs. M.M. : 100

## **SECTION-A**

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

- Q.5 Twist is given in roving at  
 a) Comber                    b) Draw frame  
 c) Carding                  d) Speed frame
- Q.6 No of yards in one Hank in English count is  
 a) 560                      b) 1000  
 c) 840                      d) 500
- Q.7 Relationship between Denier =  $9 \times$  \_\_\_\_\_  
 a) Tex                      b) Kilo tex  
 c) English Count           d) French count
- Q.8 Noil is remove at  
 a) Comber                    b) Draw frame  
 c) Speed frame             d) Blow room
- Q.9 Quality of Card yarn is  
 a) Better than Combed yarn  
 b) Inferior than Combed yarn  
 c) Similar to Combed yarn  
 d) None of above
- Q.10 Circular comb is a 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 Draw framer is \_\_\_\_\_.  
 Q.12 Write full form of TM?  
 Q.13 Write name of final product produced from Sliver lapper?  
 Q.14 Write two parts of Speed frame machine?  
 Q.15 Write function of Auto leveller?  
 Q.16 What so you understand by Roller setting?  
 Q.17 What is function of Flyer?  
 Q.18 What is purpose of Tension draft?  
 Q.19 What is function of Nipper in Comber?  
 Q.20 Write two types of roller weighing system in Speed frame?

**SECTION-C**

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

- Q.21 Write objectives of comber?  
 Q.22 Why roller weighing in important in spinning?  
 Q.23 Explain working of Ribbon lap with suitable diagram.  
 Q.24 What is importance of Auto leveller in draw frame?  
 Q.25 What is role of Draw frame in Spinning?  
 Q.26 What is importance of Speed frame in Spinning? What is function of spindle and flyer?