

- Q.29 Calculate 8 hours production in kilograms of speed frame with 120 spindles, spindle speed 1000 rpm, Roving hank 1.05, TPI-1.1, machine efficiency 85%. Assume any data if required.

Q.30 Explain combing cycle of comber?

Q.31 Explain lap preparation for comber.

Q.32 Explain different types of drafting systems in draw frame.

Q.33 Compare Carded yarn with combed yarn.

Q.34 Mention modern developments in combers.

Q.35 What is the difference between conventional comber with modern comber?

## **SECTION-D**

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

- Q.36 Explain Building motion of speed frame in detail with proper diagram.

Q.37 What is Degree of combing? Write a short note on Top comb and circular lap of comber with suitable diagram.

Q.38 What do you understand by Auto leveller in draw frame? Explain its working with suitable diagram. What will be the impact on quality if Auto leveller fails to work in Draw frame?

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4th Sem / Text. Tech.  
Subject:- Spinning Technology - II

Time : 3Hrs. M.M. : 100

## **SECTION-A**

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

- Q.1 What is final product of Speed frame  
a) Lap b) Roving  
c) Silver d) Yarn

Q.2 Out of these which one is not a part of Speed frame  
a) Flyer b) Roving Bobbin  
c) Spindle d) Top comb

Q.3 Which of the following machine is used for combing preparation?  
a) Carding b) Blow room  
c) Speed frame d) Ribbon lap

Q.4 What process/machine is used after carding?  
a) Comber b) Draw frame  
c) Speed frame d) Blow room

Q.5 Main function of which machine is doubling and drafting  
a) Comber b) Draw frame  
c) Carding d) Blow room

- Q6 Which of the following is called Universal system?  
a) English count      b) Tex  
c) Denier               d) French count
- Q7 Relationship between Denier = Tex \* \_\_\_\_\_  
a) 10                      b) 11  
c) 9                        d) 8
- Q8 Hooks and neps in feed material are removed in  
a) Comber                b) Draw frame  
c) Speed frame          d) Blow room
- Q9 Quality of combed yarn is  
a) Better than carded yarn  
b) Inferior than carded yarn  
c) Similar to Carded yarn  
d) None of above
- Q10 Nipper is a part of  
a) Comber                b) Draw frame  
c) Speed frame          d) Carding

### SECTION-B

**Note:** Objective type questions. All questions are compulsory.  $(10 \times 1 = 10)$

- Q11 Feed material in comber is \_\_\_\_\_
- Q12 Write full form of TPI?
- Q13 Write name of final product produced from comber?
- Q14 Write two parts of comber machine?

- Q15 Write name of any two parts of Auto leveller?
- Q16 What do you understand by noil?
- Q17 What is relationship in TPI and TM?
- Q18 What is purpose of Break draft?
- Q19 What is function of Top comb in Comber?
- Q20 Why draft is given at Speed frame?
- SECTION-C**
- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions.  $(12 \times 5 = 60)$
- Q21 Write objectives of ribbon lapper?
- Q22 Why roller setting is important in spinning?
- Q23 Explain working of Draw frame with suitable diagram.
- Q24 What is importance of stop motion in draw frame and speed frame?
- Q25 What is role of sliver lapper in Spinning?
- Q26 What is importance of Roving twisting in speed frame? What is function of flyer?
- Q27 Explain function of cone drums in speed frame with diagram.
- Q28 Write about various drafting systems in speed frame with diagram?