

- Q.27 What are the causes of lap rejection and lap variation?
  - Q.28 Difference between carding action and stripping action.
  - Q.29 Write about the Salient features of high production Card.
  - Q.30 What are the objective of the Grinding and their types?
  - Q.31 Write the working of ERM cleaner.
  - Q.32 What is the advantage of metallic card clothing?
  - Q.33 What is the gauge setting for high speed card?
  - Q.34 Define Auto Levelers. And their working at card.
  - Q.35 Write a short note on the principle of opening and cleaning.

## **SECTION-D**

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

- Q.36 Explain the passage of material from the caring machine with neat sketch.

Q.37 Explain the working of carding machine with the help of a labelled diagram.

Q.38 Write a short on any two of the following:

  - Features and working of high production card
  - Blending advantage
  - Advantage of Chute feed system

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**3rd Sem.  
Branch : Text Tech.  
Sub.: Spinning Technology-I**

**Time : 3 Hrs.** **M.M. : 100**

## **SECTION-A**

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

- Q.1 If the difference between the number of thick and thin Places is very high \$ the machine to pick first would be  
a) Draw frame                  b) Speed frame  
c) Ring frame                  d) Card

Q.2 The waste removed in blow room while processing man-made fibers should be around  
a) 0.1%                  b) 1%  
c) 2%                  d) 3%

Q.3 The most preferred beater for processing man made fibers is  
a) Shirley opener                  b) Krischner beater  
c) Creighton                  d) Three bladed beater

Q.4 Removal of neps in Flat strips  
a) Equal to short fiber percentage  
b) Twice the short fiber percentage  
c) 1.3 times the short fiber percentage  
d) 0.5 times the short fiber percentage

- Q.5 What is the meaning of TPI?  
 a) Twist per inch  
 b) Technical percentage issues  
 c) Turns per issues  
 d) Third party issues
- Q.6 \_\_\_\_\_ is the heart of spinning?  
 \ a) Draw frame                  b) Speed frame  
 c) Ginning                        d) None of the above
- Q.7 What is processing of convert fiber into yarn?  
 a) Knitting                      b) Spinning  
 c) Ginning                      d) None of the above
- Q.8 Most of the seed coat particles are removed in  
 a) Blow room                    b) Carding  
 c) Comber                      d) Draw frame
- Q.9 Cylinder under casing is a part of  
 a) Carding                      b) Simplex  
 c) Comber                      d) Draw frame
- Q.10 Denier=? TEX  
 a) 9                             b) 5315  
 c) 590.5                      d) 1
- Q.12 Fiber individualization in a card will increase by increasing (doffer speed / cylinder speed)
- Q.13 What is the wire point density of a carding machine? (550-650)
- Q.14 If fiber strength is higher, then yarn and fabric strength is also higher. (Yes/No)
- Q.15 What is use of auto-leveler in carding?
- Q.16 What is spinning?
- Q.17 Write the full form of ERM.
- Q.18 Name any two type of waste in blow room.
- Q.19 The process by which yarn is made from fiber. (Spinning/Knitted)
- Q.20 Carding process is the heat of spinning. (True/False)

## SECTION-B

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

- Q.11 Name the device used by Mahatma Gandhi for spinning? (Takli/Chargha)

## SECTION-C

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

- Q.21 Write the objective and types of bending?
- Q.22 Write about the objective of the Ginning. Draw the diagram of Saw gin.
- Q.23 What is advantage of chute feed system in carding?
- Q.24 Define Carding. Why carding is called the heart of spinning?
- Q.25 Explain the working of Krischner beater.
- Q.26 What are the Importance of opening and cleaning?