

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain the passage of material through various parts of Draw Frame machine with diagram.

Q.24 Explain the passage of material through Ribbon lap machine with neat diagram.

Q.25 Explain the working principal of modern comber with neat diagram.

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4th Sem / Textile Technology

Subject : Spinning Technology - II

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 If count is 25 and TM is 3.0 then TPI

 - a) 15
 - b) 8.33
 - c) 750
 - d) 0.12

Q.2 The Draft constant depends upon.

 - a) Draft
 - b) Sliver Count
 - c) draft change pinion
 - d) none of above

Q.3 The roving bobbin are tapered because

 - a) to avoid coil sloughing off
 - b) reduce weight of package
 - c) count the number of layer formed
 - d) None of above

Q.4 What is delivery material of simplex machine?

- a) Sliver
- b) yarn
- c) roving
- d) None of above

Q.5 What is delivery material of draw frame machine ?

- a) Sliver b) yarn
- c) roving d) None of above

Q.6 What process is used after carding in 100 % carded yarn ?

- a) Draw frame b) simplex
- c) ring frame d) None of above

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Full form of RLM.

Q.8 Why stop motion is used in Draw Frame?

Q.9 Name any two parts of Simplex Machine.

Q.10 Write any two object of Comber Machine.

Q.11 Feed material in comber _____.

Q.12 What is TPI.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Write the object of speed frame.

Q.14 Write the difference between bobbin leading and flyer leading in roving frame.

Q.15 Write the objective of builder motion.

Q.16 Explain in detail about combing cycle.

Q.17 What is the need of roving frame in the ring spinning system?

Q.18 Write about the function of top comb and nipper in comber machine.

Q.19 Write the modern development in draw frame.

Q.20 Calculate the production of a speed frame in lb/hr if spindle speed is 1200 rpm, roving count 0.9, TM 4.1, efficiency 85%, total no. Of spindle 60.

Q.21 Write the modern development in Speed Frame.

Q.22 Write about the ten parts of simplex Machine.