

SECTION-D

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

- Q.23 Write the working of builder motion of ring frame with neat and clean diagram.
- Q.24 Explain the working principle of ring frame machine with neat diagram.
- Q.25 Define the drafting system and explain the Top Arm Drafting system. What are the advantages of apron drafting?

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5th Sem / Textile Technology

Subject : Spinning Technology - III

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 If total draft is 30 and main draft is 14 calculate the break draft
- a) 2.14 b) 1.63
c) 420 d) 1.57
- Q.2 The break draft change pinion changes
- a) Back zone draft b) Front zone draft
c) Both A and B d) Middle zone draft
- Q.3 Berkolisation is a treatment related with
- a) Ring b) Spindle
c) spacer d) cots

(60)

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Q.4 Which type of maintenance schedule is better?

- a) preventive
- b) Breakdown
- c) Both A & B
- d) None of the above

Q.5 The spindle speed (rpm) of modern ring frame for cotton yarn is

- a) 15000-16000
- b) 170000-18000
- c) 12000-20000
- d) 23000-25000

Q.6 What is the effect of high traveler mass

- a) Less yarn tension
- b) Less end brake
- c) High yarn tension
- d) No end brakes

SECTION-B

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

Q.7 Shore is a factor which tells us about the degree of _____.

Q.8 What is function of spacer in ring frame?

Q.9 What is importance of twisting in spinning?

Q.10 Balloon breaker controls _____

Q.11 What is Mechanical Draft?

Q.12 Where is the Apron Drafting used?

SECTION-C

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

Q.13 What are the objective of ring frame?

Q.14 Write any four yarn defects along with their cause and remedies in double machine.

Q.15 Explain various modifications done in modern ring frame.

Q.16 Write short note on separator and lappets.

Q.17 Write a short note on Twist and its type.

Q.18 Explain the working principle of TFO.

Q.19 Compare Compact and Ring yarn.

Q.20 Explain Neppy and Slub yarn in detail.

Q.21 Explain the different maintenance schedule followed on ring frame/doubling machine.

Q.22 Briefly explain the advantages of auto doffing in ring frame.