

- Q.33 Write short note on separator and lappet with their function.
- Q.34 Briefly explain the advantages of auto doffing in ring frame
- Q.35 Write the working of builder motion with neat diagram.

SECTION-D

Note: Long Answer Type Questions. Attempt any Two Questions out of three Questions . (2x10=20)

- Q.36 In a ring frame 25ne carded yarn is to be spun, in which spindle speed is 16000 rpm and working spindle are 1500. Twist multiplier is 4.0 find its production in lbs/shift.
- Q.37 What is yarn doubling? Explain the different wet system of doubling with neat diagram.
- Q.38 Explain the working principle of ring frame machine with neat diagram.

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Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple Choice Questions. All questions are Compulsory. (10x1=10)

- Q.1 If two yarn of 40 ne doble what will be the resultant count.
- | | |
|-------|-------|
| a. 30 | b. 40 |
| c. 20 | d. 35 |
- Q.2 Jockey pulley is part of a _____ machine.
- | | |
|---------------|---------------|
| a. Carding | b. Simplex |
| c. Draw frame | d. Ring frame |
- Q.3 If total draft is 30 and main draft is 19 calculate the break draft
- | | |
|--------|---------|
| a. 1.9 | b. 0.63 |
| c. 570 | d. 1.57 |
- Q.4 Which spinning system is widely used
- | | |
|------------------------|----------------------|
| a. Ring frame spinning | b. Friction spinning |
| c. Rotor Spinning | d. Air jet spinning |
- Q.5 The break draft change pinion changers
- | | |
|--------------------|----------------------|
| a. Back zone draft | b. Front zone draft |
| c. Both A and B | d. Middle zone draft |

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- Q.6 In 20ne cotton count ring traveller generally used_____
- a. 1/0 b. 5/0
c. 7/0 d. 3
- Q.7 Berkolisation is a treatment related with
- a. Ring b. Spindle
c. spacer d. cots
- Q.8 90% of twist in ring sinning process in _____ direction
- a. s b. z
c. zz d/ None of above
- Q.9 The bobbin is usually_____
- a. 3 times of ring diameter b. 5 times of ring diameter
c. 7 times of ring diameter d. 8 time of ring diameter
- Q.10 Which type of maintenance schedule is better?
- a. preventive b. Breakdown
c. Both A & B d. None of above

SECTION-B

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

- Q.11 Shore is a factor which tell us about the degree of _____.
- Q.12 Break draft = surface speed of 2nd roller/_____.
- Q.13 What is T.P.I.?
- Q.14 What is English system of yarn numbering?
- Q.15 Write the any two objective of yarn doubling.

- Q.16 What is function of spacer in ring frame?
- Q.17 What is double roving yarn?
- Q.18 Write any four yarn defect in doubling machine.
- Q.19 What is worsted system?
- Q.20 What is importance of twisting in spinning?

SECTION-C

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

- Q.21 Write the difference between compact and normal ring yarn.
- Q.22 Write the difference between woollen and worsted system.
- Q.23 Write a short note twist and its type.
- Q.24 What are the objective of ring frame.
- Q.25 Write the working principle of TFO machine with neat diagram.
- Q.26 Briefly explain the reason end breakage in ring spinning.
- Q.27 Write the difference between preventive and breakdown maintenance.
- Q.28 Write any four yarn defects, their causes and remedies in doubling machine.
- Q.29 Why the diameter of top roller made higher than that of bottom roller in a drafting system of ring frame.
- Q.30 Write about the variable pulley speed in ring frame.
- Q.31 Write any two type of ring with neat diagram.
- Q.32 What are different type of traveller use in ring frame.