Q.30 Explain any two system of wet doubling with neat diagram.

Q.31 Draw the sequence of machine used to produce in woolen and worsted system.

Q.32 Write short note on variable pulley speed in ring frame.

Q.33 Write the difference between spring loaded and pneumatic weighting for applying pressure. In top arm drafting system.

Q.34 What are the different feature of good ring?

Q.35 What is the function of balloon control ring, spacer, apron, suction nozzle.

Section-D

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

Q.36 Explain the passage of material through Ring frame machine with neat diagram.

Q.37 Explain the causes and remedies of end breakage in Ring frame.

Q.38 What is doubling? Explain the dry and wet system of doubling.

5th Sem., Branch : Text. Tech.
Subject : Spinning Technology-III

Time : 3 Hrs.   M.M. : 100

SECTION-A

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

Q.1 The finest yarn among the following is _____.

a) 50   b) 30

c) 20   d) 25

Q.2 Which yarn is best yarn

a) Carded yarn   b) Comber yarn

c) Semi combed yarn   d) Neppy yarn

Q.3 Which of the following is example of Indirect count system?

a) TEX   b) Denier

c) Metric count (Nm)   d) None of these

Q.4 The increase in traveler weight leads to increase in

a) Yarn twist   b) Yarn tension

c) Balloon height   d) Yarn strength

Q.5 For a given spindles peed, the production increases with _____.

a) Increase in TM   b) Decrease in yarn count

c) Increase in yarn count d) None of above

Q.6 Which is part of ring frame?

 a) Lappet hook b) Traveller

 c) Both A & B d) Can

Q.7 Function of traveller in ring frame to impact_____.

 a) Draft b) Twist

 c) Pull d) None of these

Q.8 The ring that help of reduce frictional heat is_____.

 a) SU ring b) Low crown ring

 c) Both A & B d) Anti wedge ring

Q.9 The number of rows of roving bobbin in ring frame creel is usually_____.

 a) 2 b) 4

 c) 6 d) 8

Q.10 Spindle is part of_____machine.

 a) Ring frame b) Draw frame

 c) Comber d) None of these

Section-B

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

Q.11 Draw S and Z twist.

Q.12 What is the full form of TM?

Q.13 Write the relationship between TPI, TM and Yarn count.

Q.14 What is slub yarn?

Q.15 If two yarn of 30ne is double. Find the resultant count.

Q.16 Convert the 100 denier to English count.

Q.17 Write the full form of TFO machine.

Q.18 Name any two type of ring.

Q.19 Write full form of TPI.

Q.20 What is the object of ring doubler?

Section-C

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

Q.21 Draw the neat diagram of three different type of traveller.

Q.22 Draw the neat diagram of passage of material in ring frame.

Q.23 How can we specify the size of ring. Write any one ring with neat figure.

Q.24 Write short note on apron system of drafting.

Q25 Explain the process control parameter in ring frame related to productivity.

Q.26 Write various maintenance schedule adopted in ring frame.

Q.27 In a ring frame TM is 4.0 and spindle speed in 16000. Count is 25ne. Calculate the front roller Speed in inches per minute.

Q.28 How can we improve the productivity performance of doubling machine?

Q.29 What are the objective of ring frame machine?