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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 What is input material in simplex machine

a) sliver b) yarn

c) roving d) none of above

Q.2 If count is 16 and TM is 4.0 then TPI

a) 16 b) .25

c) 4 d) None of above

Q.3 What is delivery material of comber machine.

a) sliver b) roving

c) yarn d) none of above

Q.4 Draw Frame roller lapping is due to

a) short fiber is sliver b) high draft

c) damaged roller flutes d) none of above

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 simplex machine with neat diagram.

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

Q.25 Explain the working principal of different autoleveller with neat diagram.

Q.5 The usual method followed to change roving twist it by changing.

a) spindle speed b) flyer rate

c) delivery rate d) none of above

Q.6 TM stands in Textile for

a) twist measurement b) total management

c) twist multiplier d) none of above

SECTION-B

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

Q.7 Name any two parts of Comber Machine.

Q.8 Write any one difference between bobbin leading and flyer leading machine.

Q.9 TPM stands for_____

Q.10 Doubling is preferred in draw Frame_____ (Even/odd)

Q.11 Name any two type of fault in Speed Frame.

Q.12 Full form of SLM

SECTION-C

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

Q.13 Write the object of Draw frame.

Q.14 Write about four faults, their causes and their remedies in Speed Frame.

Q.15 Write the different object of builder motion in Speed Frame.

Q.16 What are the function of the builder motion in simplex machine.

Q.17 Write the difference between carded and combed yarn.

Q.18 Write the difference between forward and backward feed in combing.

Q.19 Write the object of comber machine

Q.20 Write the object of simplex machine.

Q.21 Write about the development of simplex machine.

Q.22 Calculate the production of a speed frame in lbs/hr if spindle speed in 1000 rpm, roving count 1.0, TM 4.0, efficiency 85%, total no. of spindle 60