

- No. of Printed Pages : 4
Roll No.
- 182545/122545/032553/2553

Time : 3 Hrs. M.M. : 100

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

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

- Q.1 Beesley balance is equipment used to measure
a) Neps b) English count
c) Fineness d) None of the above
- Q.2 Following is not a direction of twist
a) S-twist b) Z-twist
c) P-twist d) None of the above
- Q.3 The roller setting in machines is done according to
a) Effective length b) Mean length
c) Span length d) None
- Q.4 Conditioning oven is an equipment used to measure
a) Moisture regain b) Relative humidity
c) Fiber fineness d) None
- Q.5 Which of the following will have the least TM
a) Warp yarn
b) Weft yarn
c) Both warp & weft have equal TM
d) Cannot say

- Q.6 The spinning limit of fiber depends upon
 a) Fiber length b) Fiber maturity
 c) Fiber fineness d) None
- Q.7 The fibers having length equal to or less than half of effective length is known as
 a) Long fiber b) Short fiber
 c) Both A & B d) None
- Q.8 Following equipment is used to measure cleaning efficiency of a machine
 a) Trash analyser b) Sheffield micronaire
 c) Baer sorter d) None
- Q.9 When two or more yarns are twisted together it is known as _____.
 a) Plyed yarn b) Spiral yarn
 c) Single yarn d) None
- Q.10 The spiral turns given to a yarn is known as
 a) Count b) Bobbin
 c) Twist d) None

Section-B

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

- Q.11 Define direct yarn humbering system.
- Q.12 Caustic soda method is used to measure the _____.
 (Fiber maturity/fiber fineness)
- Q.13 _____ is a example of Indirect count.
- Q.14 Convert 60 Denier into English count.

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- Q.15 The strength of Wool fibers increases with increase in humidity. (True/False)
- Q.16 Define biased sample.
- Q.17 Write full form of TPI and TPM.
- Q.18 Tex is used as universal count. (True/False)
- Q.19 Write the formula to calculate Relation humidity.
- Q.20 _____ is used to measure fiber fineness.

Section-C

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

- Q.21 If tex of a given yarn is 25, calculate its value in Denier and English count.
- Q.22 Write a short note on importance of twist in yarn structure.
- Q.23 Describe the method used for measuring fiber maturity of cotton.
- Q.24 Differentiate between random sample and biased sample in brief.
- Q.25 Write the benefits of testing and quality control.
- Q.26 Differentiate between moisture content and moisture regain.
- Q.27 Describe the working principle of Beesley balance.
- Q.28 Define relative humidity and absolute humidity.
- Q.29 How will you measure English count with the help of wrap reel.
- Q.30 A lea of 45 yards of cotton weights 40 grains. Calculate its count in the cotton system.

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