

- Q.29 How will you measure English count with the help of wrap reel.
- Q.30 Explain the effect of twist on fabric properties.
- Q.31 Explain the importance of fibre fineness in brief.
- Q.32 What is the need of sampling?
- Q.33 What do you mean by balanced twist.
- Q.34 Describe caustic soda method for measuring maturity of cotton.
- Q.35 Explain the zoning technique in brief.

SECTION-D

- Note:** Long answer questions. Attempt any two questions out of three Questions. (2x10=20)
- Q.36 Explain the working principle of a twist de twist method with the help of a neat and clean diagram.
- Q.37 Explain the working of Baer sorter in brief with the help of an illustrated diagram.
- Q.38 If a lea of 120 yards of cotton weigh 3.25 grams. Calculate its English count. Convert this English count into Tex and Denier.

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Sub.: Testing and Quality Control-I

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SECTION-A

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

- Q.1 Conditioning oven is used for measuring
 a) Fiber fineness b) Fiber length
 c) Moisture regain d) None of the above
- Q.2 Which of the following cannot be determined by analysis of sorter diagram
 a) Effective length
 b) Mean length
 c) percentage of short fibers
 b) Yarn count
- Q.3 Micronaire is a term related to
 a) Fiber count b) Fiber fineness
 c) Fiber length d) None of the above
- Q.4 _____ = TPI Øcount
 a) Tex b) Denier
 c) Twist multiplier d) None

- Q.5 Tex = 590.5/?
 a) English count b) Metric count
 c) Denier d) None
- Q.6 _____ is used to measure fineness property of fiber
 a) She field micronaire b) Baer shorter
 c) Beesley balance d) None
- Q.7 When two or more yarns are twisted together it is known as _____
 a) Plied yarn b) Spiral yarn
 c) Single yarn d) None
- Q.8 Caustic soda swelling method is used to measure
 a) Fiber fineness b) Fiber maturity
 c) Fiber strength d) None
- Q.9 Hygrometer is used to measure
 a) Moisture content b) RH
 c) pH d) Moisture ragain
- Q.10 The number of spiral turns given to a yarn is known as
 a) Count b) Bobbin
 c) Twist d) None
- Q.12 Baer sorter is used to measure fibre fineness. (True/False)
 Q.13 Give an example of Indirect count.
 Q.14 Tex is used as universal count. (True/False)
 Q.15 The strength of viscose fibers increases with increase in humidity. (True/False)
 Q.16 Write the formula to calculate moisture regain.
 Q.17 Define S-Swist.
 Q.18 Define denier.
 Q.19 What is the moisture regain of wool.
 Q.20 Name the method used to measure the fiber maturity.

SECTION-B

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

- Q.11 Speeds and setting of the machine are done on the basis of _____ length of the fibre.

(2)

182545/122545/
032553/2553

SECTION-C

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

- Q.21 Define the term quality and write any three benefits of quality control program.
 Q.22 Write a short note on importance of twist multiplier.
 Q.23 Explain the reasons in brief to adopt Tex as universal count.
 Q.24 Explain random sample and biased sample in brief. Which one is the true representative of the population?
 Q.25 Write the formula to calculate resultant count.
 Q.26 Write the working principle of trash analyser.
 Q.27 Why do we test? Give any three reasons for textile testing.
 Q.28 Define “twist one twist” and “weft on twist”.

(3)

182545/122545/
032553/2553