

- 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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Roll No.

4th Sem.

Branch : Text. Desgn.

Sub.: Testing and Quality Control-I

Time : 3 Hrs.

M.M. : 100

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 Öcount
- 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 regain
- Q.10 The number of 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 Speeds and setting of the machine are done on the basis of _____ length of the fibre.

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- 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-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”.

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