

- Q.29 What is the effect of twist on yarn and fabric properties?
- Q.30 Write short note on yarn numbering system.
- Q.31 Calculate 60 Ne value into tex and denier.
- Q.32 Calculate the weight of a 30's Ne yarn having length 175 yards
- Q.33 Discuss the role of quality control in textiles.
- Q.34 Describe effective length and mean length of fibre.
- Q.35 Calculate count of a lea of 120 yards of cotton yarn weights 50 grains.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain the need of sampling and types of sampling techniques in testing.
- Q.37 Explain the twist-de-twist method of twist measurement in detail with neat diagram.
- Q.38 Explain the working principle of baer sorter method of fiber length measurement

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4th Sem / Texting Design
Subject:- Testing and Quality Control - I

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Standard moisture regain of Silk fiber is
 a) 8.0% b) 10%
 c) 17% d) 13%
- Q.2 Metric and English count are the _____ yarn numbering systems.
 a) Indirect b) Direct
 c) Universal d) None
- Q.3 Weight in grams in 9000-meter length of yarn is known as
 a) Denier b) Tex
 c) English count d) None
- Q.4 Fibro graph method is used to test the
 a) Fiber length b) Fiber strength
 c) Fiber fineness d) Fiber maturity
- Q.5 Sheffield micronaire is used to test the _____ of fiber

- a) Fiber maturity b) Fiber Fineness
 - c) Fiber strength d) None
- Q.6 Strength of yarn decreases with decrease in
- a) Hairiness b) Yarn count
 - c) Yarn twist d) None
- Q.7 Cut squaring technique is used for
- a) fiber sampling b) Yarn sampling
 - c) Fabric sampling d) None
- Q.8 The ratio of 50% span length to the 2.5% span length is known as
- a) Mean length b) Span length
 - c) Modal length d) Uniformity ratio
- Q.9 The yarns which are perpendicular to selvedge are known as
- a) Warp yarn b) Weft yarn
 - c) Selvedge yarn d) None
- Q.10 Oven drying method is used to test the
- a) Moisture regain b) Moisture content
 - c) Humidity d) None

SECTION-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

- Q.11 Tell anyone function of twist in yarn
- Q.12 Define universal yarn numbering system

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- Q.13 Define sample
- Q.14 Define biased sample
- Q.15 Define fiber length
- Q.16 Define direct yarn numbering system
- Q.17 Tell anyone method of fiber maturity testing.
- Q.18 Define S-twist
- Q.19 Define Metric count
- Q.20 Define quality control

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$

- Q.21 Differentiate between moisture regain and moisture content.
- Q.22 Briefly explain the importance of twist multiplier.
- Q.23 Discuss the factors affecting the regain of fiber.
- Q.24 Write short note on need of quality control.
- Q.25 Explain the working of fiber fineness measurement method.
- Q.26 Discuss the importance of fiber maturity.
- Q.27 Describe working principle of direct method of fiber length measurement.
- Q.28 What do you mean by humidity. What is its role in testing?

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