

- Q.28 Explain twists with the help of a neat diagram?
- Q.29 Differentiate CRE and CRL principles in strength testing?
- Q.30 Write a note on dry and wet bulb hygrometer?
- Q.31 Define the term moisture regain and moisture content?
- Q.32 Write the method for testing fabric thickness?
- Q.33 What is relative humidity how it is measured?
- Q.34 Explain any one tearing strength testing instrument.
- Q.35 Discuss about working of quadrant balance.

SECTION-D

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

- Q.36 Explain importance of textile physical testing in industry?
- Q.37 Explain principle, procedure for measuring air permeability of textiles?
- Q.38 Name different yarn numbering systems? Explain process for determination of count using quadrant balance?

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Roll No.

3rd Sem / Text. Proc., Text Chem

Subject:- Textile Physical Testing

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 CRL in strength testing is?
- Constant rate of loading
 - Constant rate of loan
 - Condition rate of low
 - Constant rise of loan
- Q.2 _____ cotton count yarn has largest diameter among the following?
- 5
 - 10
 - 15
 - 20
- Q.3 One yard is equals to _____ meters?
- .91
 - 80
 - 2
 - 1
- Q.4 Which yarn will be finner?
- 1 tex
 - 10 tex
 - 2 tex
 - 100 tex

- Q.5 Which of the following is a length measuring unit?
 a) ounce b) grains
 c) pounds d) inches
- Q.6 Standard temperature for testing is _____ Degree Celsius?
 a) 20 b) 30
 c) 40 d) 37
- Q.7 Which of the following is direct system of yarn numbering?
 a) Tex b) Matric
 c) English cotton d) All
- Q.8 More hairiness causes more?
 a) Pressure b) loading
 c) Pilling d) temperature
- Q.9 One meter is equals to _____ yards?
 a) 1.8 b) 7
 c) 3 d) 1.1
- Q.10 Moisture regain of polyester is?
 a) 10% b) 0.4%
 c) 8% d) 2%

SECTION-B

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

- Q.11 Define 1 english cotton count?
- Q.12 Twist is measured on _____ Instrument?

- Q.13 Moisture regain of viscose is?
- Q.14 Write full form of EPI?
- Q.15 Give any one examples of indirect yarn numbering system?
- Q.16 Small fraction selected from the population is called _____ is sampling?
- Q.17 The average length of fibres in a sample is called _____ Length.
- Q.18 Length of a hank is _____ Yards?
- Q.19 What is standard relative humidity in testing?
- Q.20 Textile testing is destructive in nature? (True/False)

SECTION-C

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

- Q.21 Why twist is inserted in yarn? What is the process of measuring it?
- Q.22 Write the process for the measurement of crimp?
- Q.23 What is the importance of sampling in textile industry?
- Q.24 Write the process of testing abrasion resistance for a fabric?
- Q.25 Write a note on pilling tester?
- Q.26 Write the procedure for testing flame resistance of a fabric?
- Q.27 Compare waterproof with water resistance?