

- 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

M.M. : 100

## **SECTION-A**

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

- Q.1 CRL in strength testing is?

  - a) Constant rate of loading
  - b) Constant rate of loan
  - c) Condition rate of low
  - d) Constant rise of loan

Q.2 \_\_\_\_\_ cotton count yarn has largest diameter among the following?

  - a) 5
  - b) 10
  - c) 15
  - d) 20

Q.3 One yard is equals to \_\_\_\_\_ meters?

  - a) .91
  - b) 80
  - c) 2
  - d) 1

Q.4 Which yarn will be finner?

  - a) 1 tex
  - b) 10 tex
  - c) 2 tex
  - d) 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.  $(10 \times 1 = 10)$

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

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- 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.  $(12 \times 5 = 60)$
- 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?

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