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222744

**4th Sem./ Textile Technology**  
**Subject : Textile Testing - I**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Sampling technique for cotton fibre is \_\_\_\_\_.  
a) Squaring      b) Zoning  
c) Hand sampling      d) All of above
- Q.2 Standard atmosphere have \_\_\_\_\_ relative humidity.  
a) 65%      b) 2%  
c) 8%      d) 100%
- Q.3 Moisture regain of cotton is \_\_\_\_\_  
a) 0.4%      b) 13%  
c) 8%      d) 50%
- Q.4 In English count system no. hank is  
a) 100      b) 400  
c) 840      d) 90

Q.5 Universal count system is \_\_\_\_\_

- a) French
- b) English
- c) Woolen
- d) Tex

Q.6 MR stands for \_\_\_\_\_

- a) Morality ratio
- b) Material ratio
- c) Moisture regain
- d) None of these

### **SECTION-B**

**Note:** Objective/ Completion type questions. All questions are compulsory.  $(6 \times 1 = 6)$

Q.7 What is sample weight in zoning technique.

Q.8 Define staple length

Q.9 Define Moisture Content.

Q.10 Define Twist

Q.11 What is fibre maturity?

Q.12 Define Denier.

### **SECTION-C**

**Note:** Short answer type questions. Attempt any eight questions out of ten questions.  $(8 \times 4 = 32)$

Q.13 What are the objectives of textile testing?

Q.14 Differentiate Random and Biased sample.

Q.15 Define relative humidity. How it is measured?

Q.16 How will you measure fibre fineness.

Q.17 Explain the method of calculating the moisture regain by oven drying method.

Q.18 Write any method for measuring maturity of fibre.

Q.19 Define Twist and write its importance.

Q.20 How will you determine TPI using single yarn twist tester.

Q.21 Write method of finding trash using Shirly trash analyser.

Q.22 Write classification of yarn faults and their removal.

### **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions.  $(2 \times 8 = 16)$

Q.23 Explain the zoning technique of yarn sampling with complete flow chart.

Q.24 What is yarn numbering system? How will you determine count of yarn with Beesley's balance

Q.25 What are various factors affecting tensile property of yarn? Explain Principle of tensile testing machine.