

- Q.27 Define twist. Write its types.
- Q.28 How relative humidity is measured?
- Q.29 What are the factors which affects the tensile property of textile.
- Q.30 Explain the method of finding the count by Beeslay balance.
- Q.31 What is the difference between the direct and indirect yarn numbering systems?
- Q.32 What is the importance of humidity in textile material.
- Q.33 What are the standard atmospheric conditions for a testing lab.
- Q.34 What are the effect o twist on yarn properties?
- Q.35 What is the importance of statistics in testing.

Section-D

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

- Q.36 Which is the difference between moisture content and moisture regain? Explain the method of Measuring moisture regain in a fibre sample.
- Q.37 What is fibre fineness? Explain the method of measuring fibre fineness by using Sheffied micronaire.
- Q.38 How will you measure TPI of given yarn with single yarn twist tester? Explain in detail.

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Roll No.

5th Sem., Branch : Text. Proc., Text. Tech
Subject : Textile Testing & Quality Control-I

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (10x1=10)

- Q.1 Moisture regain of silk is
- a) 0.4% b) 13%
- c) 8% d) 50%
- Q.2 Which method is used to measure the yarn twist?
- a) Twist-Untwist b) Crock meter
- c) Beesley balance d) Cutter
- Q.3 Pilling is defect of fabric which affect the _____ of fabric.
- a) Strength b) Appearance
- c) Weaving d) Fall
- Q.4 Which is tex of 90 denier
- a) 10 b) 50
- c) 100 d) 180

Q.5 Name the instrument for measuring humidity:

- a) Wet and dry bulb hygrometer
- b) Crock meter
- c) Bisley balance
- d) Cutter

Q.6 What is the room temperature?

- a) 50C b) 0C
- c) 20C d) 27C

Q.7 Universal count system is _____.

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

Q.8 Sampling technique for cotton fibre is _____.

- a) Squaring b) Zoning
- c) Hand sampling d) All of above

Q.9 MR Stands for _____.

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

Q.10 In English count system no. of hank is

- a) 100 b) 400
- c) 840 d) 90

Section-B

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

Q.11 Define sampling.

Q.12 Define Moisture content.

Q.13 Define relative humidity.

Q.14 Give denier of 10tex.

Q.15 Define direct count.

Q.16 Define fineness.

Q.17 What is maturity.

Q.18 Name two types of twist.

Q.19 What is the use of Beesley balance?

Q.20 Define English count.

Section-C

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

Q.21 What are aims and scope of textile testing?

Q.22 Differentiate between Random and Biased sampling.

Q.23 How cleaning efficiency of any machine is calculated? Explain with formula.

Q.24 Define fibre fineness. How it is important.

Q.25 Define count and explain different indirect yarn numbering system.

Q.26 What are the factor which affect the moisture regains?