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Roll No.

222635

3rd Sem.
Branch : Textile Processing
Sub.: Textile Physical Testing

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (6x1=6)

- Q.1 Mositure regain of silk is
- a) 0.4% b) 20%
 - c) 11% d) 17%
- Q.2 Weight of water expressed as a percentage of total weight of material is _____?
- a) Moisture regain b) Moisture content
 - c) Relative humidity d) Turbidity
- Q.3 Which among these has lowest value of moisture regain?
- a) cotton b) Polyester
 - c) Acetate d) Silk
- Q.4 Waviness impacted to threads in a fabric is called _____.
a) Wear b) Pilling
c) Twist d) Crimp

Q.5 Smalls knots or balls accumulated at surface of fabric are called

- a) Wear
- b) Pill
- c) Crimp
- d) None of these

Q.6 Spray test is used to measure

- a) Flame resistance
- b) Water resistance
- c) Crease resistance
- d) Air resistance

SECTION-B

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

Q.7 Define Moisture content.

Q.8 Define Sample.

Q.9 Define E.P.I.

Q.10 Define Twist.

Q.11 Define Relative Humidity.

Q.12 Define Drape.

SECTION-C

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

Q.13 How pilling of fabric is tested.

Q.14 How Gsm of fabric is calculated.

Q.15 What is Crimp and how it is checked in fabric?

Q.16 What is difference in Water proof and water resistant?

Q.17 Define flammability and how flame resistance is measured.

Q.18 Write how relative humidity is measured with wet & dry bulb thermometer?

Q.19 Explain briefly concept of fabric crease recovery.

Q.20 Define fabric abrasion and write its types.

Q.21 How drape of fabric is measured with Drape meter.

Q.22 Explain briefly concept of Wettability.

SECTION-D

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

Q.23 Name different yarn numbering system with example. How count of yarn in a fabric is determined using Beasley's balance?

Q.24 Describe how water resistance is measured with spray tester.

Q.25 Explain the method of measurement of twist in single yarn along with diagram.