

No. of Printed Pages : 4
Roll No.

222644

4th Sem./ Textile Processing
Subject : Textile Chemical Testing

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 Mercerization is done by using _____ ?
a) Soda Ash b) Caustic Soda
c) Acetic Acid d) Ozone
- Q.2 Viscose Rayon is soluble in _____ ?
a) Acetone b) Acetic Acid
c) 60% H₂SO₄ d) None of these
- Q.3 Which instrument is used to test washing fastness?
a) Crock Meter b) Exposure Rack
c) Laundrometer d) Tachometer
- Q.4 Axial ratio of mercerized cotton is?
a) 1.0 b) 1.5
c) 2.5 d) 5.5

Q.5 Barium activity number is related to ?

- a) Mercerization b) Degumming
- c) Washing d) Dyeing

Q.6 Instrument used to test rubbing fastness _____?

- a) Exposure Rack b) Crock meter
- c) Laudrometer d) Tachometer

SECTION-B

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

Q.7 Cotton is soluble in _____?

Q.8 Define mercerization.

Q.9 Name a test for estimation of chemical degradation to cotton.

Q.10 Define deconvolution count.

Q.11 Exposure rack is used to check _____ Fastness.

Q.12 Name types of rubbing fastness.

SECTION-C

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

Q.13 Write the method of determining blend percentage of polyester cotton.

Q.14 Why colour fastness tests are important.

Q.15 How scouring efficiency of textile material is measured?

Q.16 How fast & wax content in textile material is determined?

Q.17 What are types of grey scales? Give its rating.

Q.18 Explain procedure to test wet rubbing fastness.

Q.19 Write a note on degradation of cotton.

Q.20 Write the procedure of light fastness testing on exposure rack.

Q.21 How estimation of bleaching powder is done?

Q.22 Write a note on fastness to sea water.

SECTION-D

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

Q.23 Write a detailed note on aim and scope of Textile chemical testing

Q.24 Write a method for assessment of degree of mercerization

Q.25 Explain the construction and working and method to determine washing fastness with laundrometer.