

- Q.28 Write the procedure of testing light fastness on exposure rack.
- Q.29 How quantitative estimation of bleaching powder is done?
- Q.30 Write a note on fastness of sublimation
- Q.31 Explain the method for estimation of deconvolution count.
- Q.32 Explain briefly how we can measure available strength of  $H_2O_2$ ?
- Q.33 Write five parameters of waste water.
- Q.34 Write a short note on methylene blue test.
- Q.35 What is hardness of water? Why soft water is necessary for wet processing?

#### SECTION-D

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

- Q.36 Explain in detail the importance of textile chemical testing?
- Q.37 What is mercerization ? Illustrate the procedure to test Barium activity number?
- Q.38 Illustrate in detail about the principal, construction & working of laundrometer?

No. of Printed Pages : 4                    182645/122645/032653  
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**4th Sem / Text. Proc., Text. Chem.  
Subject:- Textile Chemical Testing**

Time : 3Hrs.                                M.M. : 100

#### SECTION-A

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

- Q.1 Viscose Rayon is soluble in \_\_\_\_\_?  
a) Acetone                                  b) Acetic Acid  
c) 60%  $H_2SO_4$                             d) None of these
- Q.2 Instrument used to test rubbing  
a) Crock Meter                            b) Exposure Rack  
c) Laundrometer                            d) Tachometer
- Q.3 Mercerization is carried out by using \_\_\_\_\_?  
a) Soda Ash                                b) Caustic Soda  
c) Acetic Acid                              d) Ozone
- Q.4 After degradation the strength of the textile material?  
a) Increases                                b) Decreases  
c) No effect                                d) Both a & b
- Q.5 Cotton produce \_\_\_\_\_ like smell on burning.

- a) Paper
- b) Plastic
- c) Metal
- d) None of these

Q.6 Which instrument is used to test washing fastness?

- a) Crock Meter
- b) Exposure Rack
- c) Laundrometer
- d) Tachometer

Q.7 Axial ratio of mercerized cotton is

- a) 1.5
- b) 10.5
- c) 20.5
- d) 50.5

Q.8 Barium activity number is related to?

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

Q.9 Methylene blue is a \_\_\_\_\_?

- a) Enzyme
- b) Dye
- c) Pigment
- d) Softener

Q.10 Hydrogen peroxide is used in

- a) Desizing
- b) Scouring
- c) Bleaching
- d) Mercerising

### SECTION-B

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

Q.11 Cotton is soluble in 75% \_\_\_\_\_?

Q.12 Name the instrument used to check light fastness.

Q.13 Polyester is dissolved in \_\_\_\_\_ chemical.

Q.14 Name the types of water hardness.

Q.15 Which scales are used to assess colour fastness?

Q.16 Define deconvolution count.

Q.17 Exposure rack is used to check \_\_\_\_\_ Fastness.

Q.18 Name the instrument to test wet rubbing fastness.

Q.19 Name a test for estimation of chemical degradation to cotton.

Q.20 Write the full form of I.S.O.

### SECTION-C

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

Q.21 Write the method of determining blend percentage of polyester cotton.

Q.22 Write a method of testing damage to salt linkage in wool.

Q.23 Why colour fastness tests are important?

Q.24 How will you determine fat & wax content in textile material?

Q.25 Illustrate fastness to sea water.

Q.26 Explain method of test wet rubbing fastness.

Q.27 Give a brief note on copper number test.