

- 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?

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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.