

Q.26 Explain procedure to test wet rubbing fastness.

Q.27 Write a short note on methylene blue test.

Q.28 Write the procedure of light fastness testing on exposure rack.

Q.29 How estimation bleaching powder is done?

Q.30 How to determine fat & wax content in textile material.

Q.31 Explain the method for measuring deconvolution count.

Q.32 How we can find available strength of  $H_2O_2$ ?

Q.33 Give a brief note on copper number test.

Q.34 Define hardness of water? Why soft water is necessary for wet processing?

Q.35 Write and briefly define five parameters of waste water.

#### SECTION-D

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

Q.36 Explain the aim and importance of textile chemical testing?

Q.37 Define mercerization? Write its importance. Explain any method to determine its efficiency.

Q.38 Write 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 Mercerization is carried out by using\_\_\_\_\_ chemical?

- a) Soda ash                      b) Caustic Soda
- c) Acetic Acid                  d) Ozone

Q.3 After degradation the strength of the textile material?

- a) Increases                      b) Decreases
- c) Diminish                      d) Do not change

Q.4 On burning cotton produce\_\_\_\_\_ like smell?

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

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Q.5 Which instrument is used to test washing fastness?

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

Q.6 Axial ratio of mercerized cotton is?

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

Q.7 Barium activity number is related to?

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

Q.8 Methylene blue is a \_\_\_\_\_?

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

Q.9 COD of fresh water is \_\_\_\_\_ than polluted water?

- a) Higher                              b) Lower
- c) Slower                              d) None of these

Q.10 Which of the instrument is used to test rubbing fastness?

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

## SECTION-B

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

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

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

Q.13 Name a test for estimation of chemical degradation to cotton.

Q.14 Name the types of water hardness.

Q.15 Name the scales are used to assess colour fastness?

Q.16 Name the instruments used in hot pressing.

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

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

Q.19 Write the full form of I.S.O.

Q.20 Polyester can be dissolved in \_\_\_\_\_ chemical.

## SECTION-C

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

Q.21 Why colour fastness tests are important?

Q.22 Write the method of determining blend percentage of polyester cotton.

Q.23 Write a method of testing damage to salt linkage in wool.

Q.24 Write a note on fastness to sea water.

Q.25 How fastness to sublimation is measured?