

- Q.28 How fastness to perspiration is measured?
- Q.29 What are blue standards? Where they are used?
- Q.30 Discuss briefly fastness to sea water.
- Q.31 How will you determine light fastness with exposure rack?
- Q.32 Write the significance of cuprammonium fluidity test.
- Q.33 Define Effluent. What are its characteristics?
- Q.34 Write a note on analysis of fresh water.
- Q.35 What are the main objectives of mercerization?

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Describe the method of determining blend percentage of following blends
- P/V
 - Acrylic wool
- Q.37 How will you determine Rubbing fastness of dyed fabric. Explain with construction and working of instrument used.
- Q.38 Explain the process of mercerization ? Illustrate the procedure of Barium activity number test?

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Roll No.

4th Sem / Textile Processing / Textile 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 _____?
- Acetone
 - Acetic Acid
 - 60% H₂SO₄
 - None of these
- Q.2 After degradation the strength of the textile material?
- Increases
 - Decreases
 - Remains same
 - None of these
- Q.3 Mercerization is carried out by using _____ chemical?
- Soda Ash
 - Caustic Soda
 - Acetic Acid
 - Sulphuric acid
- Q.4 Barium activity number is used to determine efficiency of _____?
- Desizing
 - Scouring
 - Mercerization
 - Bleaching

- Q.5 Axial ratio of mercerized cotton is?
 a) 15 b) 1.5
 c) 20.5 d) 50.5
- Q.6 Which instrument is used to test washing fastness of fabric?
 a) Crock Meter b) Exposure Rack
 c) Laundrometer d) Tachometer
- Q.7 Burning of wool produce _____ like smell?
 a) Paper b) Plastic
 c) Hair d) None of these
- Q.8 Waste water from textile industry is termed as
 a) Active b) Effluent
 c) Distilled d) None of these
- Q.9 How many types of grayscales are there?
 a) 2 b) 4
 c) 8 d) 16
- Q.10 Methylene blue is type of _____?
 a) Enzyme b) Dye
 c) Pigment d) Softener

SECTION-B

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

- Q.11 Cotton is soluble in 75% _____?
- Q.12 Write the full form of TDS?

- Q.13 Name the instrument to test wet rubbing fastness?
- Q.14 Write full form of C.O.D.
- Q.15 Which scales is used to assess fastness to rubbing?
- Q.16 Exposure rack is used to check _____ Fastness.
- Q.17 Name the instrument used to check perspiration fastness.
- Q.18 Define Axial ratio.
- Q.19 Name the types of hardness of water
- Q.20 Name the instrument used to check light fastness.

SECTION-C

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

- Q.21 What are the various aims of Textiles Chemical Testing? Only name them.
- Q.22 What is the role of laboratory in a chemical processing plant?
- Q.23 What is chemical degradation of cotton? Describe briefly.
- Q.24 Explain method of determining Deconvolution count.
- Q.25 How will you determine Strength of hydrogen peroxide?
- Q.26 What are the types of grey scales? Give its rating.
- Q.27 How will you determine fat and wax content in a Textile material.