

- Q.27 How will you determine Strength of bleaching powder.
 Q.28 Write the importance of colour fastness tests.
 Q.29 How rubbing fastness is determined?
 Q.30 Give a brief note on fastness to sea water.
 Q.31 Discuss briefly fastness to hot pressing.
 Q.32 Write a brief note on different effluent characteristics.
 Q.33 Write a method of testing damage to salt linkage in wool?
 Q.34 What is harness of water. Why soft water is necessary for wet processing?
 Q.35 Give a brief note on copper number test?

SECTION-D

- Note: Long answer questions. Attempt any two questions out of three Questions. (2x10=20)**
- Q.36 Describe the method of determining blend percentage of Acrylic/Wool & Polyester/Cotton?
 Q.37 Give a detailed note on Barium Activity number test?
 Q.38 Explain the construction and working of laundrometer and How will you determine washing fastness of dyed fabric?

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4th Sem.
Branch : Text. Proc. Text. Chem.
Sub.: Textile Chemical Testing

Time : 3 Hrs. M.M. : 100

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (10x1=10)

- Q.1 Viscose dissolves in ____?
 a) Water b) Air
 c) H_2SO_4 d) NaCl
- Q.2 What causes hardness of water?
 a) Minerals b) Dye
 c) Thickener d) Soda
- Q.3 Oxy cellulose has ____ strength than cellulose?
 a) Greater b) Lower
 c) High d) Very High
- Q.4 On burning cotton produces ____ like smell?
 a) Burning Paper b) Aromatic
 c) Pungent d) Bad
- Q.5 Axial ratio of mercerised cotton is?
 a) 12 b) 5
 c) 10 d) 1.5

- Q.6 Barium activity number is related to?
- a) Mercerisation
 - b) Dyeing
 - c) Bleaching
 - d) Desizing
- Q.7 Methylene blue is a _____ dye?
- a) Azoic
 - b) Direct
 - c) Acidic
 - d) Basic
- Q.8 Which chemical is used in sea water fastness test?
- a) Ozone
 - b) NaCl
 - c) Acid
 - d) Alkali
- Q.9 Mercerisation is carried out by using chemical?
- a) Dye
 - b) Pigment
 - c) NaOH
 - d) Thickener
- Q.10 After degradation the strength of the material?
- a) Increase
 - b) Decrease
 - c) Gain
 - d) Remains unchanged
- SECTION-B**
- Note:** Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$
- Q.11 Write the full form of BIS?
- Q.12 Name the instrument used to check light fastness?
- Q.13 Cotton can be dissolved in _____?
- Q.14 Water hardness are of _____ types?
- Q.15 Name scales used to assess colour fastness?
- Q.16 Name the instruments used in hot pressing?
- Q.17 Blue wool standards are used in?
- Q.18 Name the instrument to test wet rubbing fastness?
- Q.19 List any two tests for estimation of chemical degradation to cotton?
- Q.20 Nylon can be dissolved in?

SECTION-C

- Note:** Short answer type Questions. Attempt any twelve questions out of fifteen Questions. $(12 \times 5 = 60)$
- Q.21 How to find available strength of H_2O_2 ?
- Q.22 Write the procedure of light fastness testing on exposure rack?
- Q.23 Write the procedure of determining blend percentage of polyester cotton?
- Q.24 Explain method of determining Barium Activity Number.
- Q.25 Explain the forms of chemical degradation in cotton.
- Q.26 Write the method for determining Fat and Wax content in cotton.