

## **SECTION-D**

**Note: Long answer questions. Attempt any two questions out of three Questions.** **(2x8=16)**

- Q.23 How blend percentage is calculated for Polyester Viscose blend and Nylon wool blend.
- Q.24 Explain Critical dissolution time and Cuprammonium test to assess degradation.
- Q.25 Explain the method of measurement of colour fastness to light.

No. of Printed Pages : 4  
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222644

**4th Sem.  
Branch : Textile Processing  
Sub. Textile Chemical Testing**

Time : 3 Hrs.

M.M. : 60

## **SECTION-A**

**Note: Multiple type Questions. All Questions are compulsory.** **(6x1=6)**

- Q.1 Wool is soluble in  
a) Formic acid      b) Chloroform  
c) Acetic acid      d) All of above
- Q.2 Methylene blue is  
a) Enzyme      d) Dye  
c) Pigment      d) None of these
- Q.3 Mercerization is carried out by using  
a) Soda Ash      b) Caustic Soda  
c) Acetone      d) Acetic Acid

- Q.4 Hydrogen peroxide is a
- a) Oxidizing agent
  - b) Dye
  - c) Pigment
  - d) None above
- Q.5 Souring is done to remove
- a) Natural Waxes
  - b) Breakdown sizing agent
  - c) Eliminate dust, dirt
  - d) All of above
- Q.6 Laundrometer is used to test
- a) Flame resistance
  - b) Water resistance
  - c) Washing characteristic
  - d) Air resistance
- SECTION-B**
- Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)**
- Q.7 Crockometer is used to test\_\_\_\_\_.
- Q.8 What for laundrometer is used?
- Q.9 Define Mercerization.
- Q.10 What is grey scale?
- Q.11 Define Axial ratio.
- Q.12 Define Drop absorbency.
- SECTION-C**
- Note: Short answer type Questions. Attempt any eight questions out of ten Questions. (8x4=32)**
- Q.13 Name various objective of Textile Chemical Testing.
- Q.14 What for copper number test is carried out, explain.
- Q.15 How scouring efficiency is calculated.
- Q.16 Explain sink test.
- Q.17 Explain Barium activity number?
- Q.18 How wax content is determined in textile material?
- Q.19 Explain how methylene blue test is done.
- Q.20 Define Deconvolution count in detail.
- Q.21 How formaldehyde content in cloth is measured.
- Q.22 Explain briefly process of mercerization.