

### 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

222644

Roll No. ....

**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.