

### SECTION-D

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

Q.23 Explain the working of any one machine of mercerization

Q.24 Discuss the following

- a) Desizing and Singeing
- b) OBC and Scouring

Q.25 Explain the bleaching process of cotton with  $H_2O_2$  bleaching agent in detail.

No. of Printed Pages : 4

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Roll No. ....

**2nd Year / Textile Design**

**Subject : Preparatory Wet Processes**

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Scouring is the process of removal of?

- a) Starch
- b) Oil
- c) Wax
- d) Natural pigment colour

Q.2 Which is not a bleaching agent \_\_\_\_\_

- a)  $H_2O_2$
- b) Sodium Hypochlorite
- c) Bleaching powder
- d) NaOH

- Q.3 Surface tension of Water is reduced by using.
- a) Carriers                      b) Surfactants
  - c) Softeners                    d) None of these

- Q.4 EDTA is a ?
- a) Dye fixing agent      b) Sequestering agent
  - c) Carrier                      d) None of these

- Q.5 Bleaching is the process of removal of?
- a) Starch
  - b) Wax
  - c) Oil
  - d) Natural pigment colour

- Q.6 Pigments are water \_\_\_\_?
- a) Soluble                      b) Insoluble
  - c) Both A & B                  d) None of these

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 What is Mercerisation ?
- Q.8 What are objective of singeing ?

- Q.9 What is the role of wetting agent ?
- Q.10 Shearing and Cropping removes .....
- Q.11 Define Printing
- Q.12 Define Scouring

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Classify colouring matters with the help of a chart
- Q.14 Write short note on printing process
- Q.15 Write a short note on gas Singeing
- Q.16 What is the importance of pre-treatments ?
- Q.17 Difference between temporary and permanent finish with examples ?
- Q.18 Discuss briefly Enzymatic Desizing process
- Q.19 Write short note on degumming of silk
- Q.20 Write short note on Mechanical and chemical finish
- Q.21 Write note on Mercerization
- Q.22 Explain one method of Bleaching of cotton