

### SECTION-D

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

- Q.23 With a neat diagram explain the construction & working of Pad chainless fabric mercersing machine?
- Q.24 Discuss in detail any two drying machines used in textile industry?
- Q.25 Describe the principle & various chemical actions involved in scouring of cotton. Also discuss industrial process with relevant recipe?

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### 2nd Sem. / Textile Processing

### Subject : Technology of Bleaching - 1

Time : 3 Hrs.

M.M. : 60

### SECTION-A

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

- Q.1 Singeing is the process of removal of \_\_\_\_\_?
- a) Protruded fibres      b) Wax
- c) Starch                      d) Dirt
- Q.2 Acid steep method is used for
- a) scouring                      b) Desizing
- c) Bleaching                      d) Dyeing
- Q.3 Scouring is process of removal of \_\_\_\_\_?
- a) starch                      b) Colour
- c) Oil & Wax                      d) None of these

Q.4 Scouring in kier is done at \_\_\_\_\_?

- a) Boiling temp                      b) 60-70°C  
c) Room temp                        d) 135°C

Q.5 pH for hypochlorite bleaching is

- a) below 5                              b) 5 to 8.5  
c) greater than 10                      d) none of these

Q.6 Which chemical is used for pH stabilizer in  $H_2O_2$  bleaching?

- a) sodium hydroxide                      b) sodium silicate  
c) sodium carbonate                      d) none of these

### SECTION-B

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

Q.7 Name one natural impurity?

Q.8 Write one advantage of gas singeing machine?

Q.9 Name pH stabilizer used in peroxide bleaching?

Q.10 Name the chemical used for mercerisation?

Q.11 What pH range is required for peroxide bleaching?

Q.12 Name one mercerising machine?

### SECTION-C

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

Q.13 Why is enzymatic desizing is most preferred?

Q.14 Discuss in brief what is detergency?

Q.15 Briefly write about plate singeing machine?

Q.16 What is mercerization?

Q.17 Write the working of vapour loc machine?

Q.18 What are the merits and demerits of plate singeing method?

Q.19 Explain the role of stabilizer in peroxide bleaching?

Q.20 Briefly write about gas singeing machine?

Q.21 Discuss in brief about sodium chlorite as bleaching agent?

Q.22 Discuss in brief about rot steep method of desizing?