

- Q.26 What is saponification?
- Q.27 Write short note on acid desizing.
- Q.28 Discuss briefly about hypochlorite bleaching?
- Q.29 List out the advantages of sodium hypochlorite bleaching?
- Q.30 Differentiate between souring and scouring?
- Q.31 Write short note on gas singeing?
- Q.32 Describe the working of tight rope washing machine?
- Q.33 List out various properties of bleaching powder?
- Q.34 List out various properties of hydrogen peroxide?
- Q.35 Discuss in brief about various defects in bleaching and their removal?

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Describe the principle & various chemical actions involved in scouring of cotton. Also discuss industrial process with relevant recipe?
- Q.37 Discuss in detail any two drying machines used in textile industry?
- Q.38 With a neat diagram explain the construction & working of Pad chainless fabric mercerising machine?

No. of Printed Pages : 4

182633/122633/032633

Roll No.

3rd Sem / Textile Proc., Text Chem Subject:- Technology of Bleaching - I

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 For how many time material is kept in chamber in cold pad bleaching?
- a) 06 hrs b) 08hrs
- c) 10 hrs d) 12 hrs
- Q.2 Which chemical is used for mercerization?
- a) NaOH b) Na₂CO₃
- c) NaHCO₃ d) NaClO₂
- Q.3 What should be strength of NaOH for mercerization
- a) 42-44°Tw b) 44-46°Tw
- c) 48-50°Tw d) 52-54°Tw
- Q.4 Enzymatic desizing is done at _____?
- a) 40-50°C b) 50-60°C
- c) 60-70°C d) 70-80°C

- Q.5 Which acid in acid desizing method?
- a) HCl b) HNO_3
 c) HCOOH d) CH_3COOH
- Q.6 For how much time treated fabric is kept in Rot Steep method?
- a) 08 hrs b) 12 hrs
 c) 16 hrs d) 24 hrs
- Q.7 How much time fabric is kept in bromitedesizing method?
- a) 6-20 minutes b) 20-30 minutes
 c) 30-40 minutes d) 40-50 minutes
- Q.8 At what temp acid steep desizing is done?
- a) R.T. b) Boiling temp
 c) $60-70^\circ\text{C}$ d) none of these
- Q.9 Wax can be removed by _____?
- a) Saponification b) Emulsification
 c) Detergent d) none of these
- Q.10 H_2O_2 is a _____?
- a) bleaching agent b) Scouring agent
 c) detergent d) none of these

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Name one natural impurity?
- Q.12 Write one advantage of gas singeing machine?
- Q.13 Name pH stabilizer used in peroxide bleaching?
- Q.14 Name the chemical used for mercerisation.
- Q.15 What pH range is required for peroxide bleaching?
- Q.16 Name any one added impurity?
- Q.17 What pH is required for peroxide bleaching?
- Q.18 Bleaching powder is _____ hypochlorite (potassium / Calcium)
- Q.19 Name the chemical used for mercerisation?
- Q.20 Name one mercerising machine?

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Discuss briefly about added impurities?
- Q.22 Write short note on enzymatic desizing?
- Q.23 Explain the role of stabilizer in peroxide bleaching.
- Q.24 Write about various changes during mercerisation?
- Q.25 Write short note on scouring of coloured woven goods?