

SECTION-D

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

Q.23 With neat diagram explain the construction & working of pad chain mercerizing machine?

Q.24 With a neat diagram explain construction & working of J-Box machine?

Q.25 Discuss in detail any two washing machines used in textile industry?

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Roll No.

2nd Sem. / Textile Processing

Subject : Technology of Bleaching - I

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 Which chemical is used for mercerization?

- | | |
|-----------------------|------------------------------------|
| a) NaOH | b) Na ₂ CO ₃ |
| c) NaHCO ₃ | d) NaClO ₂ |

Q.2 Which acid in acid desizing method?

- | | |
|----------|-------------------------|
| a) HCl | b) HNO ₃ |
| c) HCOOH | d) CH ₃ COOH |

Q.3 How much time fabric is kept in bromite desizing method?

- | | |
|------------------|------------------|
| a) 6-20 minutes | b) 20-30 minutes |
| c) 30-40 minutes | d) 40-50 minutes |

Q.4 At what temp acid steep desizing is done?

- a) R.T. b) Boiling temp
- c) 60-70° C d) None of these

Q.5 Wax can be removed by_____?

- a) Saponification b) Emulsification
- c) Detergency d) none of these

Q.6 H₂O₂ is a_____?

- a) bleaching agent b) scouring agent
- c) detergent d) none of these

SECTION-B

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

Q.7 Name one sineing machine.

Q.8 At what temperature scouring of cotton is done.

Q.9 Name any one bleaching agent.

Q.10 Name one drying machine.

Q.11 At which stage bleaching is done?

Q.12 At what stage scouring is done?

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SECTION-C

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

Q.13 List out various properties of hydrogen peroxide?

Q.14 Discuss briefly about hypochlorite bleaching?

Q.15 Differentiate between souring and scouring?

Q.16 Discuss briefly about added impurities?

Q.17 Explain the role of stablizer in peroxide bleaching?

Q.18 Write about various changes during mercerisation?

Q.19 Write short note on scouring of coloured woven goods?

Q.20 What is saponification?

Q.21 Write short note on acid desizing?

Q.22 Write short note on gas singeing?

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