

SECTION-D

Note: Long answer questions. Attempt any two questions out of three Questions. (2x10=20)

- Q.36 Discuss in detail any two washing machines used in textile industry?
- Q.37 With a neat diagram explain construction & working of J-Box machine?
- Q.38 With neat diagram explain the construction & working of pad chain mercerizing machine?

No. of Printed Pages : 4

182633/122633/032633

Roll No.

3rd Sem.

Branch : Textile Proc., Text Chem

Sub: Technology of Bleaching-I

Time : 3 Hrs .

MM : 100

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (10x1=10)

- Q.1 Singeing is the process of removal of ____?
- a) Protruded fibres b) Wax
- c) Starch d) Dirt
- Q.2 Raw cotton contains _____ cellulose?
- a) 60-65% b) 55-60%
- c) 65-70% d) 80-85%
- Q.3 Speed of fabric in plate singeing machine is ____?
- a) 135-225 mts/min b) 260-300 mts/min
- c) 120-130 mts/min d) 400-430 mts/min
- Q.4 Acid steep method is used for
- a) Scouring b) Besizing
- c) Bleaching d) Dyeing
- Q.5 Scouring is process of removal of ____?
- a) Starch b) Colour
- c) Oil & Wax d) None of these

- Q.6 Scouring in kier is done at ____?
- a) Boiling temp b) 60-70°C
c) Room temp d) 135°C
- Q.7 pH for hypochlorite bleaching is
- a) Below 5 b) 5 to 8.5
c) Greater than 10 d) None of these
- Q.8 Temp for H₂O₂ bleaching is ____?
- a) 55-60°C b) 80-85°C
c) 65-70°C d) 100°C
- Q.9 pH for H₂O₂ bleaching is ____?
- a) Below 5 b) 5-7.5
c) 9-9.5 d) 10.8 & 10.9
- Q.10 Which chemical is used for pH stabilizer in H₂O₂ bleaching?
- a) Sodium hydroxide b) Sodium silicate
c) Sodium carbonate d) None of these

SECTION-B

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

- Q.11 AT which stage bleaching is done?
- Q.12 Scouring in J box is done in _____ form (rope/openwidth)
- Q.13 Desizing causes _____ in weight (Loss / gain)
- Q.14 Name one drawing machine.
- Q.15 At what stage scouring is done.

- Q.16 Name one sineing machine.
- Q.17 At what temperature enzymatic desizing is done.
- Q.18 At what temperature scouring of cotton is done.
- Q.19 Name any one bleaching agent.
- Q.20 Name one drying machine.

SECTION-C

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

- Q.21 Discuss in brief what is detergency?
- Q.22 Explain the role of stabilizer in peroxide bleaching?
- Q.23 Briefly write about gas singeing machine?
- Q.24 Write the working of vapourloc machine?
- Q.25 What are the merits and demerits of plane singeing method?
- Q.26 What is emulsification?
- Q.27 Discuss the working of J-Box machine?
- Q.28 Discuss in brief about sodium chlorite as bleaching agent?
- Q.29 What is souring?
- Q.30 Briefly write about plate singeing machine?
- Q.31 What is mercerization?
- Q.32 Why do we use cleaning agents for scouring?
- Q.33 Why is enzymatic designing is most preferred.
- Q.34 Discuss in brief about rot steep method of desizing?
- Q.35 Write down objectives of drying process?