

- Q.29 Discuss briefly merits and demerits of Acid & Enzymatic Desizing process.
 - Q.30 What is Souring.
 - Q.31 Why the use of rope washing machines is decreasing in industry.
 - Q.32 Discuss briefly the bleaching of wool.
 - Q.33 List merits and demerits of Roller and plate singeing
 - Q.34 Discuss briefly working of kier with the help of a neat diagram?
 - Q.35 Explain the process of enzymatic desizing.

SECTION-D

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

- Q.36 Explain wool and silk bleaching process with recipe and process parameters with hydrogen peroxide?

Q.37 Explain the working of any mercerizing machine.

Q.38 Explain any two drying machines used in process house.

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3rd Sem / Textile Processing / Text. Chem. Subject:- TOB -1 (Technology of Bleaching - I)

Time : 3Hrs. M.M. : 100

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SECTION-A

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

- Q.1 Kiering is also known as _____
a) Bleaching b) Scouring
c) Finishing d) Desizing

Q.2 The cellulosic material is treated with mild acids to remove traces of alkali in a process of _____
a) Bleaching b) Scouring
c) Souring d) Desizing

Q.3 Mercerisation of cotton is done by using _____
a) NaOH b) Hcl
c) H₂O₂ d) None of these

Q.4 At what temperature is Rot steep process is done?
a) 40 C b) 70 C
c) 85 C d) Above 100 C

Q.5 Write down Chemical formula of Universal bleaching agent?
a) Nacl b) Hcl
c) H₂O₂ d) None of these

Q.6 What is the full form of OBA?

- a) One Bleaching Agent
- b) Optical Bleaching Agent
- c) Optical Brightening Agent
- d) None of these

Q.7 _____ machine is used for scouring of cotton materials.

- a) Dryer
- b) J Box
- c) Hydroextractor
- d) None of these

Q.8 _____ is the safest method of desizing.

- a) Rot Steep
- b) Acid
- c) Enzymatic
- d) None of these

Q.9 Acid desizing process is done by using _____?

- a) NaCl
- b) HCl
- c) H₂O₂
- d) None of these

Q.10 Wetting agent is added to decrease the _____ of wayer.

- a) Surface Tension
- b) absorbency
- c) viscosity
- d) None of these

SECTION-B

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

Q.11 What is objective of Drying?

Q.12 What is objective of singeing.

Q.13 _____ type of singeing machine is mostly used in industries.

Q.14 J box is used in _____ process (singeing / scouring)

Q.15 What is the speed of fabric in plate singeing machine.

Q.16 Write down the chemical formula of Bleaching powder.

Q.17 What is souring.

Q.18 What is the role of wetting agent.

Q.19 What is kiering process.

Q.20 What is objective of washing.

SECTION-C

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

Q.21 Discuss the detergency step in scouring process.

Q.22 Discuss briefly stenter drying.

Q.23 What physical and chemical changes take place in cotton after Mercerization?

Q.24 Write a note on scouring of colored woolen goods.

Q.25 Briefly write about the tight and slack rope washing machines.

Q.26 What are the various impurities present in Raw cotton?

Q.27 Distinguish between Sourcing and Scouring.

Q.28 Differentiate between full bleach and semi bleach process.