

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 of the following is a natural impurity found in cotton?

- a) Dye
- b) Pigment
- c) Wax
- d) None of these

Q.2 _____ fibres are burned in singeing?

- a) Thick
- b) Protruding
- c) Light
- d) Dyed

Q.3 Indesizing _____ is removed?

- a) Oil
- b) Wax
- c) Size
- d) Colour

Q.4 Which chemical is used for bleaching of cotton?

- a) NaOH
- b) H₂SO₄
- c) Na₂CO₃
- d) H₂O₂

- Q.5 The term saponification is related to?
- a) Scouring b) Bleaching
- c) Sizing d) Washing
- Q.6 Mercerization is carried out using _____ chemical?
- a) NaOH b) H₂SO₄
- c) Na₂CO₃ d) H₂O₂

SECTION-B

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

- Q.7 Name a machine used for drying?
- Q.8 List different type of mercerization machines?
- Q.9 Write name of any one singeing machine?
- Q.10 Kier machine is used for?
- Q.11 Scouring is carried out at _____ Temperature?
- Q.12 List name of any one scouring machine?

SECTION-C

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

- Q.13 Discuss about various properties of hydrogen peroxide?
- Q.14 Write a note on hypochlorite bleaching?

- Q.15 Compare scouring and souring process?
- Q.16 Write advantages of hydrogen peroxide over chlorine bleaching?
- Q.17 Explain purpose of washing and souring?
- Q.18 Write objectives of mercerization?
- Q.19 Explain gas singeing process with the help of a diagram.
- Q.20 Explain enzyme desizing process for cotton?
- Q.21 Enlist different natural and added impurities found in cotton.
- Q.22 Explain pad chain mercerization machine?

SECTION-D

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

- Q.23 Explain working of any one washing machine with the help of neat diagram?
- Q.24 Explain principle, construction and working of Kier machine?
- Q.25 Write objective of drying and explain can drying machine?