

- Q.29 Explain the process of rot steeping and its demerits.
  - Q.30 Distinguish between Souring and Scouring?
  - Q.31 List few disadvantages of using bleaching powder for textile materials.
  - Q.32 Write down merits and demerits of Acid desizing process.
  - Q.33 Classify the impurities present in grey cotton fabric.
  - Q.34 Write down the role of stabilizer in peroxide bleaching.
  - Q.35 Write down the process of gas singeing machine.

## **SECTION-D**

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

- Q.36 Describe the construction and working of a pad chain mercerizing machine.

Q.37 Write short note on:

  - a) Vapour Lock machine
  - b) Drying machines used in Process House

Q.38 Discuss in detail any two washing machines used in textile industry.

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3rd Sem / Text. 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 \_\_\_\_\_ is an example of bleach.

a)  $\text{H}_2\text{O}_2$       b)  $\text{NaOH}$   
c) Nacl      d) None of these

Q.2 \_\_\_\_\_ is an example impurities present in raw silk?

a) Cellulose      b) Gum  
c) Mineral Matter      d) None of these

Q.3 Which property of cotton is improved after scouring?

a) Lusture      b) Absorbancy  
c) Strength      d) None of these

Q.4 Desizing causes \_\_\_\_\_ in weight.

a) Gain      b) Loss  
c) can't say      d) None of these

Q.5 Bleaching of wool is usually done with \_\_\_\_\_ ( $\text{H}_2\text{O}_2/\text{NaOCL}$ )

- a)  $\text{H}_2\text{O}_2$
- b)  $\text{NaOCl}$
- c)  $\text{NaCl}$
- d) None of these

Q6 Write down Chemical formula of Sulphuric Acid?

- a)  $\text{H}_2\text{O}_2$
- b)  $\text{NaOCl}$
- c)  $\text{NaCl}$
- d)  $\text{H}_2\text{SO}_4$

Q7 \_\_\_\_\_ is an example of stabilizer in peroxide bleaching?

- a) Sodium hydroxide
- b) Sodium Silicate
- c) Sodium chloride
- d) None of these

Q8 Hydrogen peroxide bleaching involves \_\_\_\_\_

- a) oxidation
- b) Reduction
- c) can't say
- d) None of these

Q9 At what temperature is scouring done?

- a) 40 C
- b) 50 C
- c) 60 C
- d) Near Boil

Q10 \_\_\_\_\_ is removed scouring of cotton.

- a) Wax
- b) yellowness
- c) Hairy fibres
- d) None of these

### SECTION-B

**Note:** Objective type questions. All questions are compulsory.  $(10 \times 1 = 10)$

Q.11 Who first developed mercerization process?

Q.12 Name any two singeing methods.

Q.13 Why hypochlorite bleaching is no more preferred.

Q.14 Scouring in J box is done \_\_\_\_\_ Form (rope / open width)

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

Q.16 What are Amylase enzymes.

Q.17 At what stage scouring is done.

Q.18 What is the role of wetting agent.

Q.19 What is Boiling off process.

Q.20 What is the concentration of NaOH in mercerization.

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions.  $(12 \times 5 = 60)$

Q.21 Describe the working of tight rope washing machine

Q.22 Write a short note on scouring of coloured woven goods

Q.23 What is emulsification?

Q.24 Discuss briefly roller singeing with the help of a neat diagram?

Q.25 Write a note on Cylinder and Chamber drying.

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

Q.27 Write down merits and demerits of Pad chainless machine.

Q.28 List few disadvantages of using bleaching powder for textile materials.