

- Q.31 What is Mercerization process and its objectives.
- Q.32 Why the use of rope washing machines is decreasing in Industry?
- Q.33 Discuss briefly the bleaching of wool and silk.

- Q.34 Discuss briefly working of kier with the help of a neat diagram?
- Q.35 Write down merits and demerits of all the singeing machines.

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:
- Vapour Lock machine
 - Tight and slack rope washing machine
- Q.38 Discuss in detail Stenter and chamber drying machines used in textile industry.

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Roll No.

Textile Processing Subject:- TOB - 1

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 What is the full form of OBA
- One Bleaching Agent
 - Optical Bleaching Agent
 - Optical Brightening Agent
 - None of these
- Q.2 _____oldest method of desizing.
- Rot steep
 - Acid Desizing
 - Enzymatic
 - None of these
- Q.3 Give one example of natural Dye?
- Reactive Dye
 - Henna
 - Remazol Dye
 - None of these
- Q.4 At what temperature is scouring done in pressure kiers?
- 50 C
 - 70 C
 - 85 C
 - Above 100 C

Q.5 Write down Chemical formula of Sodium hydroxide?

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

Q.6 _____ is called universal bleaching agent

- a) Hydrogen Peroxide b) Sod. Hypochlorite
- c) Bleaching powder d) None of these

Q.7 Removal of _____ is shearing?

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

Q.8 _____ is used during Mercerization?

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

Q.9 _____ is used in semi bleach?

- a) Hydrogen Peroxide b) Sod. hypochlorite
- c) Bleaching powder d) None of these

Q.10 Desizing is done to remove _____ from the grey fabric.

- a) Wax b) size
- c) Hairy fibres 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 _____ singeing is mostly used in industries.

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

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

Q.16 What are Amylase enzymes.

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 waging.

SECTION-C

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

Q.21 Explain the process of rot steeping and its demerits.

Q.22 Distinguish between Souring and Scouring?

Q.23 List few disadvantages of using bleaching powder for textile materials.

Q.24 Write down merits and demerits of Acid desizing process.

Q.25 Classify the impurities present in grey cotton fabric.

Q.26 Explain the role of stabilizer in peroxide bleaching.

Q.27 Write down the process of gas singeing machine.

Q.28 What is saponification.

Q.29 Write down the merits and demerits of Ezymatic desizing.

Q.30 Write down the objective of drying process.