

SECTION-D

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

- Q.23 Describe the singeing process in detail. What are its advantages, and what quality control measures should be followed?
- Q.24 What is high temperature / high pressure beam dyeing? Explain its advantages, control parameters and precautions.
- Q.25 Describe the process of fabric preparation from grey fabric inspection to scouring, highlighting quality control measures at each stage.

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Roll No.

6th Sem.

Branch : Textile Processing

Sub.: Process Quality Control in Textile Wet Processing

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (6x1=6)

- Q.1 What is the primary purpose of process quality control in textile wet processing?
- To increase production speed
 - To ensure uniform product quality & minimize defects
 - To reduce labour costs
 - To eliminate the need for skilled workers
- Q.2 What is the first step in quality control in textile wet processing?
- Shearing
 - Grey fabric inspection
 - Bleaching
 - Singeing
- Q.3 What is the primary purpose of scouring?
- To remove wax, oil and natural impurities
 - To enhance fabric color
 - To make fabric water repellent
 - To add texture to the fabric

- Q.4 Which bleaching agents is commonly used in batch (kier) bleaching?
 a) Sodium hypochlorite b) Sodium chloride
 c) Sulfuric acid d) Ammonia
- Q.5 In screen printing, which parameter is critical for maintaining print sharpness?
 a) Fabric softness
 b) Mesh count and squeegee pressure
 c) Yarn count
 d) pH of the water
- Q.6 Which finishing process is used to control shrinkage in cotton fabrics?
 a) Carbonisation b) Sanforizing
 c) Decatising d) Mercerization

SECTION-B

- Note:** **Objective/Completion type questions. All questions are compulsory.** (6x1=6)
- Q.7 The main objective of desizing in textile wet processing is _____.
- Q.8 The chemical commonly used for oxidative desizing is _____.
- Q.9 Heat Setting is the process for imparting _____ to the fabric.
- Q.10 The selvedge should be _____ (Plain / Folded) during winding on batch.
- Q.11 Entrapped air should remain in package dyeing machine. (True/False)

- Q.12 Jet dying Machine is a _____ (Fiber dyeing / Fabric dyeing).

SECTION-C

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

- Q.13 What are the major defects found during grey fabric inspection? How are they controlled?
- Q.14 Explain the scope of process and quality control in textile wet processing.
- Q.15 Describe the process of grey fabric inspection and the quality control measures involved.
- Q.16 What are the key precautions to be taken during kier bleaching?
- Q.17 Define heat setting and its importance in synthetic fabrics.
- Q.18 What factors influence the selection of dyes for fabric dyeing?
- Q.19 Mention any 4 PQC measures with parameters and their control for padding mangle..
- Q.20 Discuss the quality control measures taken in screen printing.
- Q.21 What is souring in textile processing, and why is it necessary?
- Q.22 Explain the purpose of mercerization in cotton fabrics.