

- Q.18 What is water proofing?
- Q.19 Explain the process of Transfer Printing in detail.
- Q.20 Write short note on Thickener. Name various thickeners used in printing.
- Q.21 What is wash-n-wear finish? Explain.
- Q.22 What is water proofing? Explain its principle and method.

SECTION-D

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

- Q.23 Explain the classification of dyes on the basis of their application.
- Q.24 Which impurities are found in cotton material? Explain the scouring process of cotton.
- Q.25 What is calendaring? Explain various types of calendaring process.

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1st Year / Textile Tech. Subject:- Textile Chemistry

Time : 3Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which chemical is used in acid desizing?
- a) Sodium chloride b) Sodium alginate
c) Sulphuric acid d) Sodium hydroxide
- Q.2 Natural impurities in cotton is _____
- a) Size material b) Metal particles
c) Coloured threads d) Dust and Durt
- Q.3 Which is best singeing method?
- a) Plate singeing b) Roller singeing
c) Colour singeing d) Gas singeing

- Q.4 Which is mechanical finish?
- a) Calendaring b) Water Proofing
- c) Stiff d) Flame Proofing

- Q.5 Which thickener is used for reactive dye?
- a) CMC b) Sodium alginate
- c) Gwar gum d) British gum

- Q.6 Which dye is used to dye polyester fibre?
- a) vat b) sulphur
- c) Disperse d) Direct

SECTION-B

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

- Q.7 Desizing is the removal of _____ (size/protein matter)
- Q.8 Which desizing is ecofriendly? (Acid steep/Enzymatic)

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- Q.9 Acid dye is water _____ (soluble/insoluble)
- Q.10 _____ dye is used to print the cotton material. (Disperse/Reactive)
- Q.11 Heat setting is done for _____ fibres. (natural/synthetic)
- Q.12 For which fiber transfer printing is suitable? (cotton/polyester)

SECTION-C

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

- Q.13 What are the objectives of mercerization?
- Q.14 Explain the process of dyeing of cotton with reactive dye.
- Q.15 What is the importance of bleaching? Explain H₂O₂ bleaching.
- Q.16 Write down the process of scouring of cotton fabric.
- Q.17 Draw the line diagram of winch dyeing machine and explain its working.

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