

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 bases of their application.

Q.24 How cotton is dyed with vat dye ? Explain the complete process with procedure and chemical conditions.

Q.25 Which impurities are found in cotton material ? Explain the scouring process of cotton.

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2nd Year / Text. Tech.

Subject : Dyeing and Pre-Treatments

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 Which is wet processing .

- a) Spinning
- b) Weaving
- c) Desizing
- d) Zinning

Q.2 Which chemical is used in acid desizing ?

- a) Sodium chloride
- b) Sodium alginate
- c) Sulphuric acid
- d) Sodium hydroxide

Q.3 M:L stands for.....

- a) Material Liquor Ratio
- b) Man Labour Ratio
- c) Machine Liquid
- d) None of them

Q.4 Natural impurities in cotton is _____

- a) Size material b) Metal particles
- c) Coloured threads d) Dust and durt

Q.5 is best singeing.

- a) Plate singeing b) Roller singeing
- c) Colour singeing d) gas singeing

Q.6 is exhausting agent used in direct dye.

- a) NaCl b) NaOH
- c) HCL d) H_2SO_4

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

Q.7 In mercerization..... are improved. (luster and strength/ weight and whiteness)

Q.8 Name two water soluble dyes.

Q.9 Desizing is the removal of(size/protein matter)

Q.10 Which desizing is ecofriendly ? (Acid steep/Enzymatic)

Q.11 Disperse dye is used for(cotton/polyester).

Q.12 Acid dye is water(soluble/insoluble)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

Q.13 Write down the types of desizing and explain the Acid Desizing.

Q.14 What are the objective of mercerization?

Q.15 What is the role of water in dyeing process?

Q.16 Explain the process of dyeing of cotton with reactive dye.

Q.17 What is scouring ? How it is done ?

Q.18 What is the importance of bleaching ? Explain H_2O_2

Q.19 Write down the process of scouring of cotton fabric.

Q.20 Draw the line diagram of winch dyeing machine and explain its working .

Q.21 What are auxochrome and chromefore ?

Q.22 Which machine is used to dye the polyester material? Explain briefly .