

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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Roll No.

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 dirt
- 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) H₂SO₄

SECTION-B

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

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=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 H₂O₂
- 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 chromophore ?
- Q.22 Which machine is used to dye the polyester material? Explain briefly .

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