

- Q.20 Write down the mechanism involved in dyeing of Wool and Silk with acid dyes?
- Q.21 Write down the chemical conditions involved in dyeing of cotton material with VAT Dyes?
- Q.22 Write note on Natural Dyeing.

## SECTION-D

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

- Q.23 Describe the working of jigger and padding mangle dyeing machine.
- Q.24 Write note on dyeing on cotton by vat and direct dye?
- Q.25 Classify coloring matters with the help of a chart?

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**4th Sem.**  
**Branch : Textile Design**  
**Sub. Dyeing Technology-I**

Time : 3 Hrs.

M.M. : 60

## SECTION-A

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

- Q.1 Economical dye used for cotton fabric is \_\_\_\_\_?
- a) Direct                                      b) Basic
- c) Reactive                                  d) Disperse
- Q.2 Dye used for cotton viscose is \_\_\_\_\_?
- a) Basic                                        b) Vat
- c) Sulphur                                  d) Reactive
- Q.3 Which dye is used to dye wool?
- a) Vat                                          b) Disperse
- c) Sulphur                                  d) Acid

- Q.4 Anionic dyes are also known as \_\_\_\_\_.  
a) Acid Dyes                      b) Azoic Dyes  
c) Remazol Dyes                d) Basic Dyes

- Q.5 \_\_\_\_\_ water is used in cotton dyeing?  
a) Hard water                      b) Soft water  
c) Both A & B                      d) None of these
- Q.6 Woollen materials are dyed with \_\_\_\_\_ dyes?  
a) Acid dyes                      b) Azoic Dyes  
c) Disperse                      d) Basic Dyes

### SECTION-B

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

- Q.7 Name any two water insoluble dyes?
- Q.8 What is colour fastness?
- Q.9 What are natural Dyes?

- Q.10 What is synthetic Dyes?
- Q.11 Why are Vat dye are called so?
- Q.12 What are cold brand and hot brand dyes.

### SECTION-C

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

- Q.13 Write the mechanism of dyeing cotton with direct dyes.
- Q.14 What are different after treatment on direct dyes fabric to increase the fastness of direct dyed material?
- Q.15 What are different properties of reactive dyes.
- Q.16 Write note on exhaustion, fixation and hydrolysis in reactive dyes.
- Q.17 Write note on application method of azoic colour on cotton.
- Q.18 Differentiate between cold Brand and Hot Brand dyes.
- Q.19 What do you mean by the term MLR and give its significance in dyeing industry.