

- 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.

No. of Printed Pages : 4  
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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)**

### **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?

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.