

Q.21 Mention 4 properties of Sulphur dyes.

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Roll No. ....

Q.22 Mention 4 properties of Vat dyes.

### **SECTION-D**

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

Q.23 Explain in details the Direct dye (Any one)

**3rd Sem / Textile Processing**

Q.24 Explain in details the reactive Dye.

**Subject : Dyeing of Natural Fibres**

Q.25 Explain the dyeing of cotton with Vat dye.

Time : 3 Hrs.

M.M. : 60

### **SECTION-A**

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

Q.1 The first dye “Mauve” belongs to

- a) Basic dye
- b) Direct dye
- c) Acid dye
- d) None of these

Q.2 The first Direct dye was

- a) Magenta
- b) Congo red
- c) Mauve
- d) None of these

Q.3 Anthraquinone belongs to

- a) Reactive dye
- b) Vat dye
- c) Azoic colour
- d) Acid dye

- Q.4 Coal tar products are used for  
a) Natural dye      b) Synthetic dyes  
c) Both A & B      d) None of these
- Q.5 Colour helping groups are  
a) Cromophroes      b) Auxochromes  
c) Both A & B      d) None of these
- Q.6 Sodium Carbonate is  
a) Acid      b) Alkali  
c) Dye      d) None of these

### SECTION-B

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

- Q.7 Give two examples of Chromophores
- Q.8 NaCl acts as \_\_\_\_\_ (retarder/exhausting agent) in direct dyes dyeing.
- Q.9 Bond between cotton and reactive dyes is \_\_\_\_\_ (ion exchange/Convalent bond).

- Q.10 The dye obtained from indigofera plant is \_\_\_\_\_ (direct dye/indigo dye)
- Q.11 Henna is a natural dye (True/False)
- Q.12 Wool has affinity for sulphur dyes. (True/False)

### SECTION-C

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

- Q.13 Name the factors that affect direct dyeing? Explain role of temp.
- Q.14 What is role of alkali in reactive dye?
- Q.15 Differentiate between readymade and ingrain dyes. (Any 3)
- Q.16 Write about of hot brand reactive dye.
- Q.17 Classify dyes.
- Q.18 Differentiate between 1:1 and 1:2 metal complex acid dyes.
- Q.19 Write similarities between Acid and Basic dyes.
- Q.20 Write 4 properties of Acid colors.