

Q.24 Why synthetic dyes are called Colter dyes ? Explain in detail Distillation Process.

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Q.25 Explain Witt's Colour theory.

**2nd Year / Textile Processing  
Subject : Dyestuff Chemistry**

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) Cromophores      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.  $(6 \times 1 = 6)$

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/Covalent 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.  $(8 \times 4 = 32)$

Q.13 How coaltar is related with synthetic dyes.

Q.14 A fabric is dyed by direct dye. Write its identification test ?

Q.15 Write about bond formation between dye and fabric.

Q.16 Provide examples that not every colour can be used for colouration of textiles.

Q.17 What are intermediate processes ?

Q.18 Give the structure of following :

Phenol, Toluene

Q.19 Write a note on chemistry of synthetic dyes .

Q.20 Write Example of any one dye belonging to Indigo group.

Q.21 Write about Coupling .

Q.22 Write about H-Acid

## SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions.  $(2 \times 8 = 16)$

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