

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

Q.25 Explain Witt' s Colour theory.

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**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) Chromophores                      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/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. (8x4=32)

Q.13 How coal tar 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. (2x8=16)

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