

Q.24 Define dye. Classify dyestuff based on chemical constitution?

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Q.25 Describe Witt's theory of colour?

**2nd Sem. / 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 Which of the following is the natural dye?

- a) Direct
- b) Indigo
- c) Sulphur
- d) All of the above

Q.2 Chromophores are colour _____ Groups?

- a) Providing
- b) Helping
- c) Loosing
- d) None of the above

Q.3 Which of the following is a halogen?

- a) Chlorine
- b) fluorine
- c) Iodine
- d) All of the above

Q.4 Which of the following is an acid?

- a) Ammonia
- b) Soda ash
- c) Caustic
- d) BON

Q.5 Auxochromes are colour _____ groups?

- a) Hating
- b) Helping
- c) Loosing
- d) None of the above

Q.6 Reactive dye makes _____ bond with fabric ?

- a) Ionic
- b) covalent
- c) Hydrogen
- d) None of these

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

Q.7 Write Structure of Anthracene?

Q.8 Draw structure of Benzene?

Q.9 Draw the structure of aldehyde?

Q.10 Write name of a mineral dye?

Q.11 Sulphonation is introduction of _____ group?

Q.12 Nitration which group is introduced?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

Q.13 What are dyestuff intermediate?

Q.14 What various forces are responsible for dyestuff application?

Q.15 What is coupling?

Q.16 Write reaction of BON Acid?

Q.17 Explain theory of dyeing of dye on textile material.

Q.18 31 write reaction of Gamma Acid?

Q.19 What is diazotization.

Q.20 What are Intermediate process?

Q.21 Give reaction of Chicago acid?

Q.22 How are dyes classified based on coloring matter?

SECTION-D

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

Q.23 Describe Fractional distillation of coal Tar?