

- Q.34 What are functions of auxochromes in a dye molecules?
Q.35 Explain any two forces responsible for dye application.

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Section-D

Note: Long answer questions. Attempt any two question out of three Questions. (2x10=20)

- Q.36 Classify colour.
Q.37 Explain in detail Coal Tar Distillation.
Q.38 Explain O.N. Witts Colour theory.

**4th Sem. / Text. Proc., Text. Chem.
Subject : Dyestuff Chemistry**

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (10x1=10)

- Q.1 The first Direct dye was
a) Magenta b) Congo Red
c) Mauve d) None of these
- Q.2 Anthraquinone belongs to
a) Reactive dye b) Vat dye
c) Azoic colour d) Acid dye
- Q.3 Petroleum products are used for
a) Natural dye b) Synthetic dyes
c) Both A & B d) None of these
- Q.4 Fraction III
a) Middle Oil b) Light Oil
c) Heavy Oil d) Anthracene Oil
- Q.5 Colour is described by
a) Hue b) Brightness
c) Strength d) All of these

- Q.6 Chromophores given by O.N. Witt
- Dependent chromophores
 - Independent chromophores
 - Both A & B
 - None of these
- Q.7 Colour providing groups are
- Cromophores
 - Auxochromes
 - Both A & B
 - None of these
- Q.8 Visibility is possible because of
- Eyes
 - Object
 - Light
 - All of these
- Q.9 Indigo belongs to
- Reactive dye
 - Vat dye
 - Azoic colour
 - Acid dye
- Q.10 The first dye "Mauve" belongs to
- Basic dye
 - Direct Dye
 - Acid dye
 - None of these
- Section-B**
- Note:** Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$
- Q.11 Name two soluble dyes.
- Q.12 Name theories of colour.
- Q.13 Name the scientist who discovered first synthetic dye.
- Q.14 Methylene blue dyes belong to which class?
- Q.15 Give structure of reactive dyes. (any 1)
- Q.16 Sun is the main source of _____.
- Q.17 Name two insoluble dyes.
- Q.18 Spectrum of colours.
- Q.19 Primary colours are _____, _____, & _____.
- Q.20 Give two examples of Chromophores.

Section-C

- Note:** Short answer type Question. Attempt any twelve questions out of fifteen Questions. $(12 \times 5 = 60)$
- Q.21 Write about Halogenation.
- Q.22 What is a colour? Why can any colour not be used as a dye?
- Q.23 How will you identify direct dye on dyed fabric?
- Q.24 Define chromophores with suitable examples.
- Q.25 Write a note on chemistry of synthetic dyes.
- Q.26 Write Example of any one dye belonging to Indigo group.
- Q.27 Write about Coupling.
- Q.28 Write a note on azoic colours.
- Q.29 What are functions of auxochromes in a dye molecules?
- Q.30 What are various forces responsible for dyestuff application? Explain any two.
- Q.31 How will you identify Direct dye in powder form.
- Q.32 Write about H-Acid.
- Q.33 Write about Disperse dyes.