

Q.29 Give the structure of following:
Phenol, Toluene, Benzene, Cresol

Q.30 Write a note on ice colours.

Q.31 What are various bonds?

Q.32 Write about a dye used for polyester.

Q.33 How will you identify Direct dye in powder form.

Q.34 Write about H-Acid.

Q.35 Write about Disperse dyes.

No. of Printed Pages : 4
Roll No.

182641/122641/032641

4th Sem.

Branch : Text. Proc. Text. Chem.
Sub.: Dyestuff Chemistry

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Reactive dye makes _____ bond with cellulosic fibres.
- a) Covalent bond
 - b) Vander wall forces of attraction
 - c) H-bond
 - d) None of them
- Q.2 Basic dye used for
- a) Polyester
 - b) Nylon
 - c) Acrylic
 - d) Acetate
- Q.3 Which one is the example of chromophore in dyes?
- a) Azo
 - b) Hydro
 - c) Chloro
 - d) Hydroxyl
- Q.4 Which is water soluble dyes?
- a) Disperse dyes
 - b) Pigments
 - c) Direct dyes
 - d) Mordant dyes

SECTION-D

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

Q.36 Explain in details fractional distillation of coal tar.

Q.37 Classify dye based upon chemical constitution and give structure of everyone.

Q.38 Explain O.N. Witts colour theory.

- Q.5 Halogenation is introduction of _____ group.
- H₂O
 - NO₂
 - HN₂
 - Cl
- Q.6 Sources of aromatic compound\
- Natural
 - Synthetic
 - Artificial
 - None of them
- Q.7 The first Direct dye was
- Magenta
 - Congo Red
 - Mauve
 - None of these
- Q.8 Anthraquinone belongs to
- Reactive dye
 - Vat dye
 - Azoice colour
 - Acid dye
- Q.9 Patroleum products are used for
- Natural dye
 - Synthetic dyes
 - Both A & B
 - None of these
- Q.10 Fraction II
- Middle Oil
 - Light Oil
 - Pitch
 - Anthracene oil
- Q.13 Give structure of reactive dyes. (Any 1)
- Q.14 Name one Azo dye.
- Q.15 Primary colours are _____, _____ & _____.
- Q.16 Give two examples of Auxochromes.
- Q.17 Azo dyes are prepared by _____ & _____.
- Q.18 Main source of light is _____.
- Q.19 Primary colour are _____, _____ & _____.
- Q.20 VIBGYOR implies for _____.

SECTION-C

Note: Short answer type Questions. Attempt any twelve questions out of fifteen Questions. (12x5=60)

- Q.21 Write about Diazotisation.
- Q.22 What are intermediates? Give examples of any 4.
- Q.23 Write about Halogenation.
- Q.24 What is a colour? Why can any colour not be used as a dye?
- Q.25 What are characteristics of a dye molecules for colouration of textiles?
- Q.26 Define colour? Why all colour can not be used as a dye?
- Q.27 How will you identify direct dye on dyed fabric?
- Q.28 Define chromophores with suitable examples.

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Name the scientist who discovered first synthetic dye.
- Q.12 Methylene blue dyes belong to which class?