

- Q.30 Write a note on azoic colours.
 Q.31 What are functions of auxochromes in a dye molecules?
 Q.32 What are various forces responsible for dyestuff application? Explain any two.
 Q.33 How will you identify Direct dye in powder form.
 Q.34 Write about H-Acid.
 Q.35 Write about Disperse dyes.

SECTION-D

Note: Long Answer type questions. Attempt any two questions. (2x10=20)

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

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 Roll No.....

4th Sem / TP
Subject : Die Staff Chemistry

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note : Multiple choice questions. All questions are compulsory. (10x1=10)

- Q.1 The first dye synthesized was
 a) Basic dye b) Direct Dye
 c) Acid Dye d) None of these
 Q.2 Congo Red Belongs to
 a) Basic dye b) Direct Dye
 c) Acid Dye d) None of these
 Q.3 Indigo belongs to
 a) Reactive dye b) Vat dye
 c) Azoic colour d) Acid dye
 Q.4 Coal Tar dyes are
 a) Natural dye b) Synthetic dyes
 c) Both A & B d) None of these
 Q.5 Fraction I
 a) Middle oil b) Light oil
 c) Pitch d) Anthracene Oil
 Q.6 Fraction II

- Q.7 a) Middle Oil b) Light Oil
 c) Heavy Oil d) Anthracene Oil
 Colour is described by
 a) Hue b) Brightness
 c) Strength d) All of these
- Q.8 Chromophores given by O.N. Witt
 a) Dependent Chromophores
 b) Independent Chromophores
 c) Both A & B
 d) None of these
- Q.9 Colour providing groups are
 a) Cromophores b) Auxochromes
 c) Both A & B d) None of these
- Q.10 Visibility is possible because of
 a) Eyes b) Object
 c) Light d) All of these

SECTION-B

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

- Q.11 Name First Basic dye.
 Q.12 Name First Direct dye.
 Q.13 Who discovered first synthetic dye?
 Q.14 Name two soluble dyes.
 Q.15 Name theories of colour.

- Q.16 Give two examples of Auxochromes.
 Q.17 AZO dyes are prepared by _____ & _____.
 Q.18 Main source of light is _____.
 Q.19 Primary colours 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 Give brief of chemistry of synthetic dyes.
 Q.22 Write Example of any one dye belonging to Nitro group and Azo group.
 Q.23 Write about Diazotisation.
 Q.24 What are intermediates? Give examples of any 4.
 Q.25 Write about Halogenation.
 Q.26 What is a colour? Why can any colour not be used as a dye?
 Q.27 What are characteristics of a dye molecules for colouration of textiles.
 Q.28 Define auxochromes with suitable examples.
 Q.29 Give the names of followings:

