

Q.30 Explain witt's theory of colour?

Q.31 Classify Dyestuff on method of application?

Q.32 List various forces responsible for dyestuff application?

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. 3x10=30

Q.33 Discuss chemistry of sulphur dye used for dyeing of textile?

Q.34 Give Identification of Reactive dye on textile material or in powder form.

Q.35 Explain coal tar distillations and its product?

Q.36 Classify dye based on chemical structure of dyestuff?

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**4th Sem. / 2nd Year / Textile Processing,
Text., Chemistry**

Subject : Dye Stuff Chemistry

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

Q.1 Define Dye?

Q.2 Define Pigment?

Q.3 Name any 2 water Insoluble dye?

Q.4 Define water soluble dye?

Q.5 Define hot brand reactive dye.

Q.6 Reactive dye makes _____ (covalent/ hydrogen) bond with cotton.

Q.7 Name any two synthetic dye?

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Q.8 Define substrate?

Q.9 How pigment differ from dyes?

Q.10 Define chromophore?

SECTION-B

Note:Very short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

Q.11 Why sodium carbonate is required in reactive dye?

Q.12 Factors affecting absorption of dyestuff?

Q.13 Sulphonation is done by Introducing -----
(SO₃H/NO₂) group.

Q.14 Name after treatments done in dyeing.

Q.15 Chlorine is called _____ Group (Halogen/Acid/
Base)

Q.16 Define coupling?

Q.17 Write structure of Aniline?

Q.18 Alcohol is ----- group (-OH,-CHO)

Q.19 Write structure of Benzene?

Q.20 Write structure of Anthracene?

Q.21 Halogen is ----- group (-Cl,-OH)

Q.22 Name any two fastness properties?

SECTION-C

Note:Short answer type questions. Attempt any eight questions out of ten questions. 8x5=40

Q.23 Give reaction of gamma acid?

Q.24 Explain diazotisation?

Q.25 Give reaction of tobias acid?

Q.26 Explain sulphonation?

Q.27 Give Reaction of H-acid?

Q.28 Give properties of Reactive Dyes?

Q.29 Explain amination?

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