

Q.28 Why alkali is required in reactive dye?

Q.29 Briefly explain Tobias-Acid?

Q.30 Discuss briefly coupling process?

Q.31 How can we reduce wastage of reactive dyes.

SECTION-D

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

Q.32 Discuss the chemistry of Disperse Dye used for dyeing of textile materials

Q.33 Why will you identify vat dyes, sulphur and direct dye on cotton?

Q.34 Explain Coal tar distillation process.

Q.35 How will you classify dyes according to their Chemical structure. Give chemical structures of few dyes.

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4th Sem. / Trade:-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 Chromophore.

Q.2 Acid is _____ Group (-CHO, -COOH).

Q.3 Name two water insoluble dyes.

Q.4 Define pigment.

Q.5 Define substrate.

Q.6 What are the major products of Coal tar Distillation?

Q.7 What is sulfonation.

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Q.8 Reactive dyes form covalent bond with cellulose in the presence of _____ (acid/alkali)

Q.9 Define ingrain dye.

Q.10 Give example of Coupling components.

SECTION-B

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

Q.11 What is Nitration.

Q.12 What is auxochrome.

Q.13 What is sulfonation?

Q.14 What is zeta potential.

Q.15 What are principles products of Coal tar distillation?

Q.16 Write down the function of levelling agent.

Q.17 How pigments differ from dyes?

Q.18 Name any two dyes used for dyeing of cotton?

Q.19 What is the role of CDFA, give an example of it.

Q.20 Reactive dyes chemically react with cellulosic in presence of _____

Q.21 Name any two synthetic Dyes.

Q.22 Factors affecting absorption of dyestuff.

SECTION-C

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

Q.23 Write any method of identification of Reactive Dyes on textile material/ powder form.

Q.24 Example process of halogenation?

Q.25 Discuss Witt's theory of colour?

Q.26 What are intermediates? Write structure of any four?

Q.27 Write a short note on Chicago and Knorr acids.

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