

- Q.30 Write 2 advantages and disadvantages of thermosol dyeing.

Q.31 Write any 5 requirements of carrier.

Q.32 Write in brief about polyester fibre.

Q.33 Write 2 merits and demerits of carrier dyeing.

Q.34 Write 2 merits and demerits of HTHP dyeing.

Q.35 How will you check compatibility?

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Section-D

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

- Q.36 Explain pigment / oxidation colors.
Q.37 Explain Acrylic fibre dyeing by basic dye.
Q.38 Explain wool dyeing with acid dyes.

4th Sem. Branch : Text. Proc., Text. Chem.
Subject : Technology of Dyeing-II

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Nylon fibre is having affinity for
a) Acid dyes b) Disperse dyes
c) Basic dyes d) All of these

Q.2 Ingrain dyes are
a) Azoic colour b) Mineral colours
c) Oxidation colour d) All of these

Q.3 Acid dyes are
a) Anionic dyes b) Cationic dyes
c) Non ionic dyes d) None of these

Q.4 Disperse dye has affinity for
a) Synthetic fibre b) Mineral fibre
c) Animal fibre d) Vegetable fibre

Q.5 Example of Ingrain dyes are
a) Reactive colours b) Vat colours
c) Oxidation colour d) None of these

- Q.6 Basic dyes are
 a) Anionic dyes b) Cationic dyes
 c) Non ionic dyes d) None of these
- Q.7 The strike rate of dyes can be reduced by
 a) exhausting agent b) Levelling agent
 c) Wetting agent d) None of these
- Q.8 The Nylon fibre can be dyed by
 a) Acid dyes b) Reactive colours
 c) Both A & B d) None of these
- Q.9 The fibre belonging to polyamide is
 a) Cotton b) Acetate
 c) Nylon d) Polyester
- Q.10 Acrylic is a
 a) Regenerated fibre b) Metallic fibre
 c) Natural fibre d) Synthetic fibre
- Q.14 Using combination of dyes, each dye must be _____ (compatible/ incompatible) with each other.
- Q.15 Cotton is not much affected by alkali at normal temp and pressure. (True/False)
- Q.16 Acrylic is having affinity for both Acid dye and Basic Dye (True/False)
- Q.17 Synthetic fibres have _____ (good/bad) moisture absorbancy.
- Q.18 (Silk/Jute) _____ has affinity for Acid dyes.
- Q.19 Acid acts as _____ (retarder/accelerator) in dyeing of wool with acid dyes.
- Q.20 Acid dye has affinity for cotton. (True/False)

Section-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

- Q.11 Polyester is having affinity for _____ (reactive dye/Disperse dye) dyes.
- Q.12 Mineral colours are used to dye _____ (military/nurses) uniform.
- Q.13 Is basic dye having affinity for cotton?

Section-C

Note: Short answer type Question. Attempt any twelve questions out of fifteen Questions. $(12 \times 5 = 60)$

- Q.21 Differentiate between 1:1 and 1:2 metal complex acid dyes.
- Q.22 Write similarities between Acid and Basic dyes.
- Q.23 Write 4 properties of Acid colors.
- Q.24 How does carrier help in polyester dyeing?
- Q.25 Differentiate between Leveling and Milling acid dyes.
- Q.26 What are Acrylic and Mod acrylic?
- Q.27 Write 5 properties of cationic dye.
- Q.28 How does HTHP help in polyester dyeing?
- Q.29 What is role of GTT in Acrylic fibre.