

- Q.24 Write any 3 merits and demerits of Thermosol dyeing.
- Q.25 Write any 5 requirements of carrier.
- Q.26 How will you produce level dyeing in acrylic fibre dyeing by basic dye?
- Q.27 Write 5 properties of molecularly splitted Acid dyes.
- Q.28 How will you dye wool with basic dye?
- Q.29 What are retarding agents? Explain its anionic type.
- Q.30 Differentiate between Leveling and Milling acid dyes.
- Q.31 Write the structure of Acrylic and Mod acrylic.
- Q.32 Write 5 properties of cationic dye.
- Q.33 How does HTHP help in polyester dyeing.
- Q.34 Differentiate between disperse dyes types.
- Q.35 Write recipe for dyeing of wool with milling acid dyes.

#### **SECTION-D**

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

- Q.36 Explain pigment colors.
- Q.37 Explain Acrylic fibre dyeing.
- Q.38 Explain the terms saturation value, saturation factor, compatibility

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

Time : 3Hrs.                                    M.M. : 100

#### **SECTION-A**

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

- Q.1 The strike rate of dyes can be reduced by  
 a) Exhausting agent      b) Levelling agent  
 c) Wetting agent          d) None of these
- Q.2 The nylon fibre is belonging to  
 a) Polyamide               b) PET  
 c) PAN                      d) PVC
- Q.3 Umbrella is dyed by  
 a) Mineral colour          b) Vat dye  
 c) Aniline Black           d) None of these
- Q.4 Mod Acrylic is dyed by  
 a) Direct dye               b) Basic dye  
 c) Disperse dye            d) None of these

- Q.5 PAN relates to
- a) Acrylic
  - b) Acetate
  - c) Nylon
  - d) Polyester
- Q.6 Disperse dye has affinity for
- a) Synthetic fibre
  - b) Mineral fibre
  - c) Animal fibre
  - d) Vegetable fibre
- Q.7 Example of Ingrain dyes are
- a) Reactive colours
  - b) Vat colours
  - c) Oxidation colour
  - d) None of these
- Q.8 Basic dyes are
- a) Anionic dyes
  - b) Cationic dyes
  - c) Non ionic dyes
  - d) None of these
- Q.9 Leveling agents act as
- a) Carriers
  - b) Retarding agents
  - c) Exhausting agents
  - d) None of these
- Q.10 Wool can be dyed by
- a) Acid dye
  - b) Metal complex dyes
  - c) Mordant dyes
  - d) All of these

## SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Basic dye is having affinity for cotton. (True/False)
- Q.12 For dyeing Wool with acid dyes needs acid. (True /False)
- Q.13 Acid dye can be used to dye cotton. (True/False)
- Q.14 100%Acrylic fibre is difficult to dye. (True/False)
- Q.15 Now a days \_\_\_\_\_ (Synthetic/ natural) dyes are extensively used.
- Q.16 Disperse dyes are applied in \_\_\_\_\_ (acidic/neutral) medium.
- Q.17 Polyester is dyed by \_\_\_\_\_ (Direct dye / Disperse dye) dyes.
- Q.18 Mineral colors are used to dye \_\_\_\_\_ uniform.
- Q.19 Can Basic dye be applied on cotton?
- Q.20 In dyes combination, dyes must be \_\_\_\_\_ (Compatible/imcompatiable)

## SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Write any 5 properties of Acid dye.
- Q.22 Write any 5 properties oxidation colours.
- Q.23 Write any 5 properties of Acrylic fibre.