

- Q.27 Explain dyeing procedure of P/C blend with Disperse / Reactive dyes.
- Q.28 Write down in detail the working of continuous dyeing machine.
- Q.29 Explain the mechanism involved in application of 1:2 metal complex dyes.
- Q.30 Write down the Thermosol process of dyeing Polyester.
- Q.31 Write a note on ecofriendly dyes and Chemicals.
- Q.32 Write down the method of determining Washing Fastness of a dyed sample.
- Q.33 Explain the working of package Dyeing machine.
- Q.34 Write a note on determining rubbing fastness.
- Q.35 List any five properties of Metal complex dyes

#### SECTION-D

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

- Q.36 Explain the principle & working of Beam dyeing machine with a neat diagram?
- Q.37 Explain the method of determining washing fastness by laundrometer.
- Q.38 Explain different dyeing methods of polyester also explain advantages and disadvantages of the methods?

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### 5th Sem / Text. Design Subject:- Dyeing Technology - II

Time : 3Hrs.

M.M. : 100

#### SECTION-A

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

- Q.1 \_\_\_\_\_ dyes are used to dye manmade fibres?
- a) Direct Dyes                      b) Azoic Dyes
- c) Disperse Dyes                  d) None of these
- Q.2 Which of the following machines are not batch dyeing.
- a) jigger                              b) Hank
- c) CDR                                d) all of these
- Q.3 \_\_\_\_\_ pH is maintained while dyeing with 1:2 metal complex dyes.
- a) Acidic                              b) Alkaline
- c) neutral                              d) None of these
- Q.4 Write down the formula of Sulphuric acid?
- a)  $H_2SO_4$                               b) NaOH
- c) NaCl                                d) None of these
- Q.5 Chrome dyes are also called \_\_\_\_\_?
- a) Acid Mordant                      b) Reactive
- c) Basic                                d) None of these

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- Q.6 Wool and silk is dyed with \_\_\_\_\_ dyes
- a) Acid Dyes                      b) Azoic Dyes
- c) Disperse Dyes                d) None of these
- Q.7 Give examples of Ingrain dyes?
- a) Acid Dyes                      b) Azoic Dyes
- c) Remazol Dye                  d) Basic Dyes
- Q.8 Lodwool / Henna are example of \_\_\_\_\_?
- a) Reactive Dye                  b) Henna
- c) Remazol Dye                  d) Natural Dye
- Q.9 Give example of an exhausting agent?
- a)  $H_2O_2$                           b) NaOH
- c) NaCl                              d) None of these
- Q.10 \_\_\_\_\_ pH is maintained while dyeing of polyester material.
- a) Acidic                            b) Alkaline
- c) Neutral                           d) None of these

### SECTION-B

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

- Q.11 \_\_\_\_\_ pH is maintained during dyeing with Basic Dyes?
- Q.12 Name the instrument used to determine rubbing fastness of dyed material.

- Q.13 \_\_\_\_\_ temperature is maintained during High temperature method of polyester?
- Q.14 Define pH?
- Q.15 Write two properties of 1:2 metal complex Dyes?
- Q.16 Premetallised dyes are also called as \_\_\_\_\_
- Q.17 Color bearing compound in a dyes is called \_\_\_\_\_?
- Q.18 \_\_\_\_\_ method of polyester Dyeing is not in Textile industry? (Widely used / Not used)
- Q.19 Dispersing Agent is used during dyeing of \_\_\_\_\_ Material.
- Q.20 Combination of \_\_\_\_\_ dye is used to dye P / C blend?

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Discuss in detail the various methods of dyeing of acrylics with basic dyes.
- Q.22 Discuss the dyeing mechanism by Chrome dyes.
- Q.23 Write down any five properties of basic dyes.
- Q.24 Write down the working of jigger machine.
- Q.25 What are the essential qualities of a carrier used in carrier dyeing its disadvantages.
- Q.26 Write note on defects and remedies of Dyeing Blends?