

- Q.29 Write down the properties of mechanism of dyeing with basic dyes?
- Q.30 What are the essential qualities of carrier used in carrier dyeing its disadvantages.
- Q.31 Write a note on Chrome dyes.
- Q.32 Discuss in detail the various methods of dyeing of acrylics with basic dyes.
- Q.33 Write a note on defect, cause remedies of beam dyeing.
- Q.34 Write down the defects during dyeing of blends and their remedies.
- Q.35 Write a short note on Banned dyes and chemicals.

#### 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 dyeing methods of polyester also explain advantages and disadvantages of the methods?
- Q.38 Write short notes on any of two:
- Jet dyeing machine
  - Hand dyeing machine

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**5th Sem / Branch : Text. Design**

**Sub.: Dyeing Technology - II**

Time : 3Hrs.

M.M. : 100

#### SECTION-A

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

- Q.1 Which form of material is dyed in package dyeing?
- Fibre
  - Yarn
  - Fabric
  - Garment
- Q.2 \_\_\_\_\_ is used to measure dry/wet rubbing fastness.
- Perspirometer
  - Laundrometer
  - Crockmeter
  - None of these
- Q.3 \_\_\_\_\_ pH is maintained while dyeing with 1:1 metal complex dyes.
- 1-2
  - 7
  - 5-6
  - 10-11
- Q.4 Write down the formula of Sulphuric acid?
- H<sub>2</sub>SO<sub>4</sub>
  - NaOH
  - NaCl
  - None of these
- Q.5 \_\_\_\_\_ water is used in cotton Dyeing?
- Hard water
  - Soft water
  - Both A & B
  - None of these

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- Q.6 \_\_\_\_\_ machine is used dye yarns?
- a) Beam Dyeing                      b) Winch  
c) Hank dyeing                      d) None of these
- Q.7 Give example of ingrain dyes?
- a) Acid dyes                          b) Azoic Dyes  
c) Remazol Dye                      d) Basic dyes
- Q.8 Give one example of natural Dye?
- a) Reactive Dye                      b) Henna  
c) Remazol Dye                      d) None of these
- Q.9 Give example of an exhausting agent?
- a) H<sub>2</sub>O<sub>2</sub>                                  b) NaOH  
c) NaCl                                  d) None of these
- Q.10 Cationic Dyes are also known as \_\_\_\_\_
- a) Acid Dyes                          b) Azoic Dyes  
c) Remazol Dye                      d) Basic Dyes

### SECTION-B

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

- Q.11 Write down two dyeing faults in blend dyeing?
- Q.12 Give an example of eco friendly dye.
- Q.13 What is the function of dispersing agent?
- Q.14 What is objective of wetting agent and exhausting agents?

- Q.15 What is the purpose of Perspirometer?
- Q.16 What is Double bath dyeing process for P/C blend fabric?
- Q.17 What is a chromophore?
- Q.18 Write the objective of sample port?
- Q.19 Carrier dyeing is carried out at \_\_\_\_\_ temp and at \_\_\_\_\_ pH.
- Q.20 Name the machines where we can process yarn.

### SECTION-C

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

- Q.21 Explain the working of Laundrometer.
- Q.22 Write the properties of Metal complex dyes.
- Q.23 Write down the working of jigger machine.
- Q.24 Write a note on package dyeing machine.
- Q.25 Describe the construction & working of loose stock dyeing machine.
- Q.26 Write the application method with 1:2 metal complex dyes.
- Q.27 Write down in detail the working of continuous dyeing machine.
- Q.28 Write down the dyeing procedure with Disperse /Reactive dyes on P/C blends?