

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 What are different methods for dyeing of polyester? Explain any two methods in details.
- Q.24 a) How dyeing of polyester / cotton blend is carried out?  
b) How dyeing of cotton / wool blend is carried out? Explain in details.
- Q.25 Write note on different type of fastness properties in details.

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### 5th Sem / Textile Design

### Subject : Dyeing Technology - II

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Wool can be dyed by \_\_\_\_\_  
a) Mordant dye                      b) Metal complex dye  
c) Acid dyes                          d) All of these
- Q.2 Jigger dyeing machine is used for dyeing of \_\_\_\_\_  
a) Fibre                                  b) Fabric  
c) Yarn                                    d) None of these
- Q.3 Metal is incorporated in chemical structure of metal complex dyes  
a) Chromium                          b) Hydrogen  
c) Sodium                                d) None of these

- Q.4 Silk can be dyed by \_\_\_\_\_
- a) Acid Dyes                      b) Metal complex dyes  
c) Basic Dyes                      d) All of these
- Q.5 Basic dye is used to dye \_\_\_\_\_ material
- a) Polyester                      b) Acrylic  
c) Cotton                      d) None of these
- Q.6 Direct dyes have affinity for \_\_\_\_\_
- a) Cotton fibre                      b) Synthetic Fibre  
c) Silk fibre                      d) None of these

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Cone dyeing machine is used for dyeing of \_\_\_\_\_ (Yarn/Fiber)
- Q.8 100% Acrylic fibre is difficult to dye. (True/False)
- Q.9 HTHP means \_\_\_\_\_
- Q.10 Thermo fixation process is used for \_\_\_\_\_ (wool/polyester)
- Q.11 Give Example of two blends.

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- Q.12 Carrier dye is carried out at \_\_\_\_\_ Temp and thermo fixation dyeing of polyester is carried at \_\_\_\_\_ temp

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Write recipe for dyeing of silk with acid dyes.
- Q.14 Write any 4 merits and demerits of carrier dyeing.
- Q.15 Write any 5 properties of basic dyes.
- Q.16 Write down the four defect during dyeing of blends and their remedies.
- Q.17 Explain the working of any one yarn dyeing machine with suitable diagram.
- Q.18 Write 5 properties of disperse dyes.
- Q.19 Give method of application of 1:1 metal complex dyes.
- Q.20 Describe the working of fibre dyeing machine.
- Q.21 How dyeing of acrylic fibre is done by basic dye?
- Q.22 How dyeing of wool is carried out with basic dye?

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