

4th Sem./ Textile Processing
Subject : Dyeing of Synthetic and Blended Textiles

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 The fibre belonging to polyamide is
a) Cotton b) Acetate
c) Nylon d) Polyester

- Q.2 Acrylic is a
a) Regenerated fibre b) Metallic fibre
c) Natural fibre d) Synthetic fibre

- Q.3 The fibre obtained from worm is
a) Cotton b) Acetate
c) Silk d) Polyester

- Q.4 Wool is a
a) Regenerated fibre b) Mineral fibre
c) Animal fibre d) Vegetable fibre

- Q.5 Basic dyes are
 a) Anionic dyes b) Cationic dyes
 c) Non ionic dyes d) None of these
- Q.6 Nylon fibre belongs to
 a) PAN b) PET
 c) Polyamide d) Polyacrylonitrile

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

- Q.7 Dyeing of one of fibre in a blend by single colour is known as _____
- Q.8 P/C is mixture of _____ and _____
- Q.9 Dyeing of both fibre in a blend produce _____
- Q.10 P/C/W is an example of _____ blend.
- Q.11 Cotton portion in p/c blend is having affinity for _____ (disperse/reactive) dye
- Q.12 Naturals fibres are _____ (difficult/easy) to dye than natural fibre.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

- Q.13 Mention any three principles of dyeing.

- Q.14 What is tailing? Where does it occur?
- Q.15 What is moire? What are its causes? (any two)
- Q.16 Define blending? Why is it done?
- Q.17 Write about P/C blend.(4 points)
- Q.18 How will you dye C/W blend with Direct /Acid dye in two bath method?
- Q.19 Write about P/V blend. (4-5 Points)
- Q.20 Briefly explain any two advantages of blend.
- Q.21 What are disperse dyes? Name its types.
- Q.22 How does carrier help in polyester dyeing?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 8 = 16)$

- Q.23 Explain Winch dyeing machines with neat diagram, principle and construction?
- Q.24 Explain any cheese dyeing machines with neat diagram, principle and working?
- Q.25 Explain dyeing of P/C with any combination of dye with complete dyeing procedure?