Q.24 Explain Jigger dyeing machines with neat diagram, principle and working?

Q.25 What are different approaches for dyeing of polyester? List 3 advantages and disadvantages of carrier dyeing.

No. of Printed Pages : 4 222642
Roll No. .....

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 obtained from worm is

a) Cotton b) Acetate
c) Silk d) Polyester

Q.2 Wool is a

a) Regenerated fibre b) Mineral fibre
c) Animal fibre d) Vegetable fibre

Q.3 Ingrains dyes are

a) Azoic colours b) Minerals colours
c) Oxidation colour d) All of these

Q.4 Acid dyes are

a) Anionic dyes b) Cationic dyes
c) Non ionic dyes d) None of these

Q.5 Retarding agents acts as

a) Levelling agents b) Carries

c) Exhausting agents d) None of these

Q.6 Silk can be dyed by

a) Acid dye b) Metal complex dyes

c) Mordant dyes d) All of these

SECTION-B

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

Q.7 Dyeing of one of fibre in a blend by single colour is known as _____

Q.8 P/V/W is an example of _____ blend

Q.9 HT/HP stands for _____

Q.10 Mechanism of dyeing of acrylic with basic dyes is _____ (ion exchange / covalent bonding).

Q.11 Polyester fibre is having affinity for _____ (disperse/reactive) dye.

Q.12 Manmade fibres are _____ (difficult/easy) to dye than natural fibre.

SECTION-C

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

Q.13 Briefly explain any two advantage of blend.

Q.14 Differentiate between dyeing at fibre stage and fabric stage.

Q.15 What is moire? What are its causes? (Any two)

Q.16 What is blending? Why is it necessary?

Q.17 Write about P/C blend. (4-5 Points)

Q.18 Write any 3 merits and demerits of carrier dyeing.

Q.19 Write 3 merits and demerits of HTHP dyeing.

Q.20 Write 5 properties of disperse dyes.

Q.21 How many types of retarding agents are there? Explain any one

Q.22 What are disperse dyes? Name its types.

SECTION-D

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

Q.23 What are different types of acrylic fibres? How will you dye cationic dyeable acrylic fibres with basic dyes?