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222632

3rd Sem / Branch : Textile Processing
Sub.: Dyeing of Natural Fibres

Time : 3Hrs. 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 Ingrain dyes are

a) Azoic colours b) Mineral 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 act as

a) Levelling agents b) Carriers
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 Azonic dyes are prepared by _____ & _____.

Q.8 Main source of light is _____.

Q.9 Basic dyes has _____ (affinity / no affinity) for cotton.

Q.10 Turmeric is a natural dye (True/False)

Q.11 Cotton has affinity for acid dyes. (True/False)

Q.12 Cotton is easily damaged by strong alkali. (True/False)

SECTION-C

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

Q.13 Write any 5 properties of basic dye.

Q.14 Write recipe for dyeing of wool with acid leveling dyes.

Q.15 Differentiate between ready made and ingrain dyes. (Any 3)

Q.16 Write about of cold brand reactive dye.

Q.17 Differentiate between dyes and pigments.

Q.18 Write 4 properties of VAT colors.

Q.19 Write 4 properties of sulphur colors.

Q.20 Mention 4 properties of sol.vat dyes.

Q.21 What is black tendering of sulphur dyed fabric?

Q.22 Why soaping is not done in direct dyed sample?

SECTION-D

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

Q.23 Explain in detail the Direct dye.

Q.24 Why Reactive dyes are dyed in two steps? Explain hydrolysis with reaction.

Q.25 Explain principle of application of VAT dye.