

Q.6 Write in detail the application of disperse dyes of polyester.

Q.7 Write a short note on any two:

- a) Remazol dyes
- b) Bronzing & its remedies
- c) Metal Complex dyes.

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4th Sem. / Text Design

Subject : Dyeing Technology-II

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note:Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- a) Name any two oxidising agents?
 - b) Define PH.
 - c) What are desirable properties of a dye?
 - d) Name any two water insoluble dyes?
 - e) Polyester is dyed with _____ dye.(vat/disperse)
 - f) What is the function of dispersing agent?
 - g) Define crocking?
 - h) Carrier dyeing was used to dye _____ (Nylon/polyester)
 - i) What is reduction?
 - j) Give examples of Natural dyes?

- k) What are different types of metal complex dyes.
- l) Procion H are _____ Reactive dyes. (Cold Brand/ Hot Brand)
- m) What is desizing?
- n) Name agents used for vatting.
- o) Define coupling?
- p) Name the reducing agent used in sulphur dyeing?
- q) Which form of material is dyed in package dyeing?

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) Write down Diazotization step of azoic dyeing.
 - ii) Write down the properties of sulphur dye.
 - iii) What is hydrolysis of reactive dye.
 - iv) Write down properties of Hot Brand reactive dyes with its chemical structure.

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- v) What are the properties of a carrier?
- vi) Write down dyeing of silk with acid dye?
- vii) Write down dyeing procedure of cotton with direct dyes.
- viii) Write down the dyeing procedure with 1:2 metal complex dyes.
- ix) Discuss package dyeing machine.
- x) How you dye cotton by sulphur dyes?
- xi) Discuss thermosol dyeing of polyester.
- xii) Discuss Naphtholisation.
- xiii) How an OBA works.
- xiv) What is the role of alkali in reactive dye.
- xv) List properties of reactive dyes.

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Explain principle & working of Hank Dyeing?
- Q.4 Give a detailed dyeing application process to dye cotton with vat dyes.
- Q.5 With a neat diagram explain the working of winch dyeing.

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