

xiv) What is saturation factor & saturation limit?

xv) Explain the principle of dyeing in use of mineral colour.

SECTION-C

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

Q.3 Write in detail about the application of disperse dyes on polyester.

Q.4 Explain the dyeing of wool with basic dyes.

Q.5 Explain the dyeing of wool & silk with Acid dyes.

Q.6 Explain the principle & properties of Basic dyes as applied on cotton.

Q.7 Write a short note on:-

a) Applications of pigments

b) Aniline Black Dyeing

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Roll No.

4th Sem. / Text Process / Text Chem

Subject : Technology of Dyeing - II

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

Q.1 a) What is exhaustion?

b) What is pH?

c) Write any two examples of alkalies.

d) Define mordant.

e) Write down the properties of metal complex dyes.

f) Define affinity.

g) What are pigments?

h) Name the materials that can be dyed with basic dyes.

i) What is the pH range & temperature of

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thermosol process of dyeing polyester.

- j) Write down the examples of carriers.
- k) What are premetallised acid dyes?
- l) Reactive dye form _____ bonds with cotton. (ionic / covalent).
- m) What is the function of retarding agent?
- n) Which material can be dyed with acid dyes?
- o) What are natural dyes?
- p) What is the role of electrolyte in Dyeing process?
- q) What is HTHP dyeing?
- r) Name two dyes to dye protein fibres.

SECTION-B

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

- Q.2 i) List the factors that should be considered while selecting a carrier.

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- ii) Write down the prominent features of metal complex dyes.
- iii) Give classification of acid dyes.
- iv) Write down the application of pigments.
- v) Write down the disadvantages of size paste.
- vi) What are the functions of dispersing agent?
- vii) Write down the methods of silk with Basic dyes.
- viii) Write down the principle of dyeing polyester with disperse dyes.
- ix) What are the types of metal complex dyes?
- x) Explain compatibility value.
- xi) Write down a typical recipe for applying basic dyes.
- xii) Write down salient properties of Basic dyes.
- xiii) Explain principle aniline black dyes.

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